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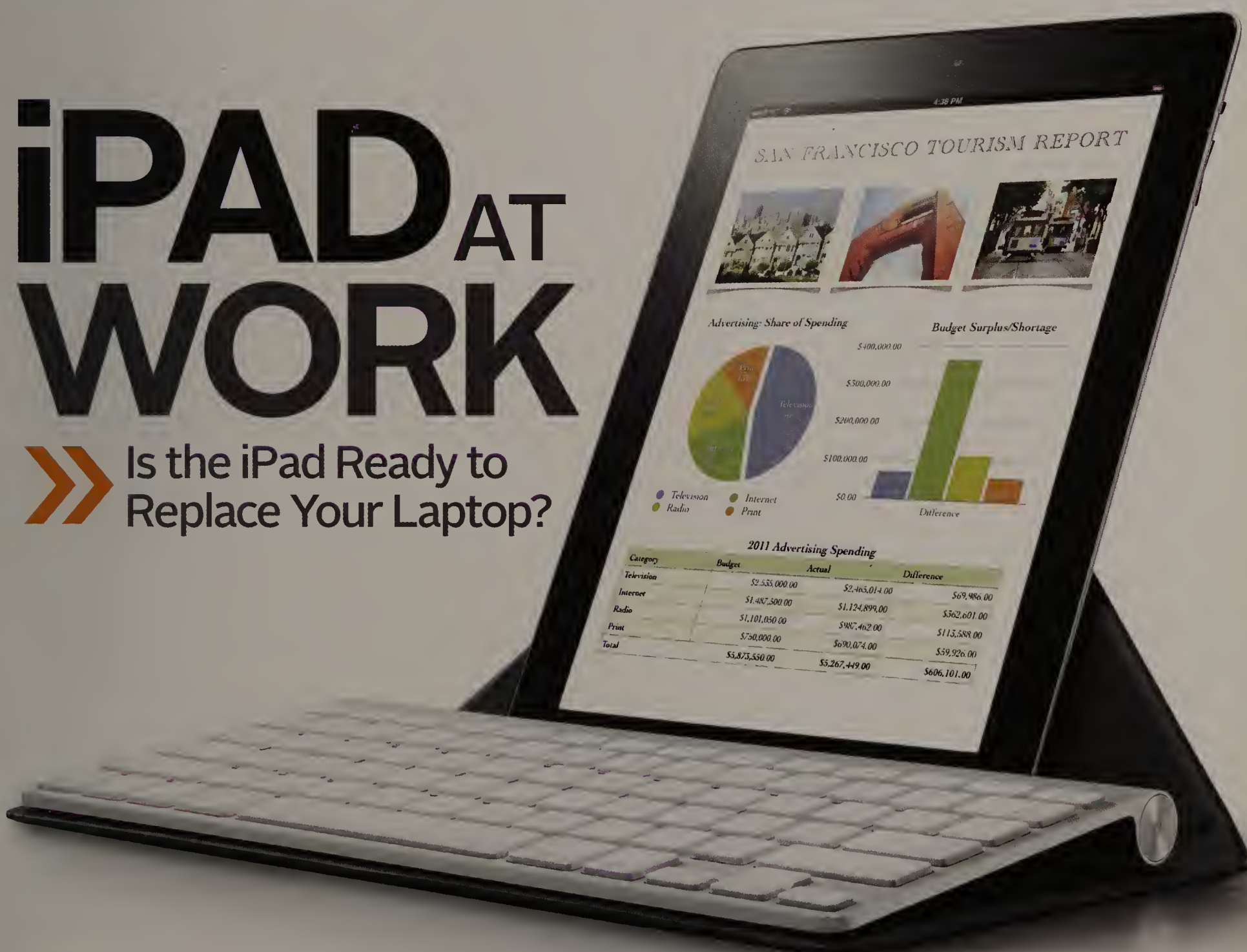
# Macworld

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March 2012

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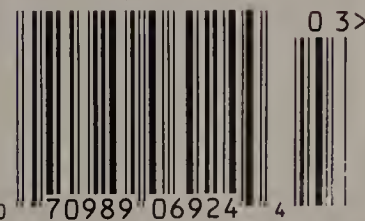
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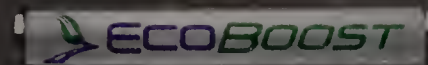


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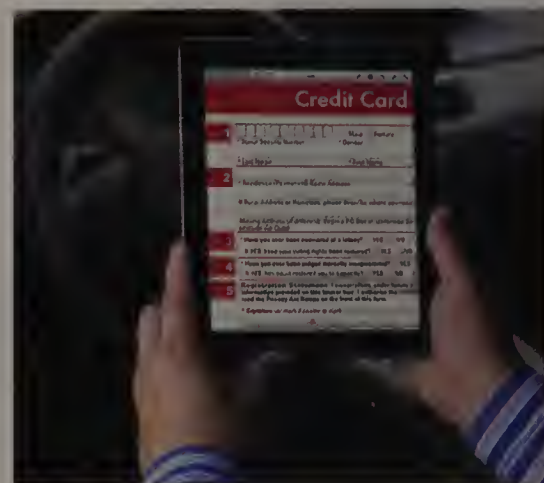
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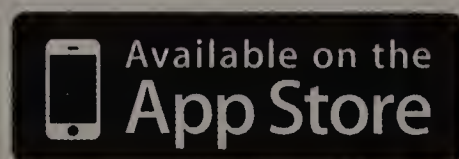
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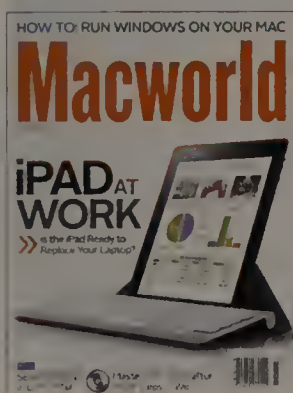
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Photograph by Peter Belanger

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Last year we took a close look at the iPad as a work machine, and we determined that it wasn't ready to replace your Mac. This year, we asked one of our editors to use the iPad and nothing else to do his work for three days. He reveals what he found out about the iPad's ability to do real work.

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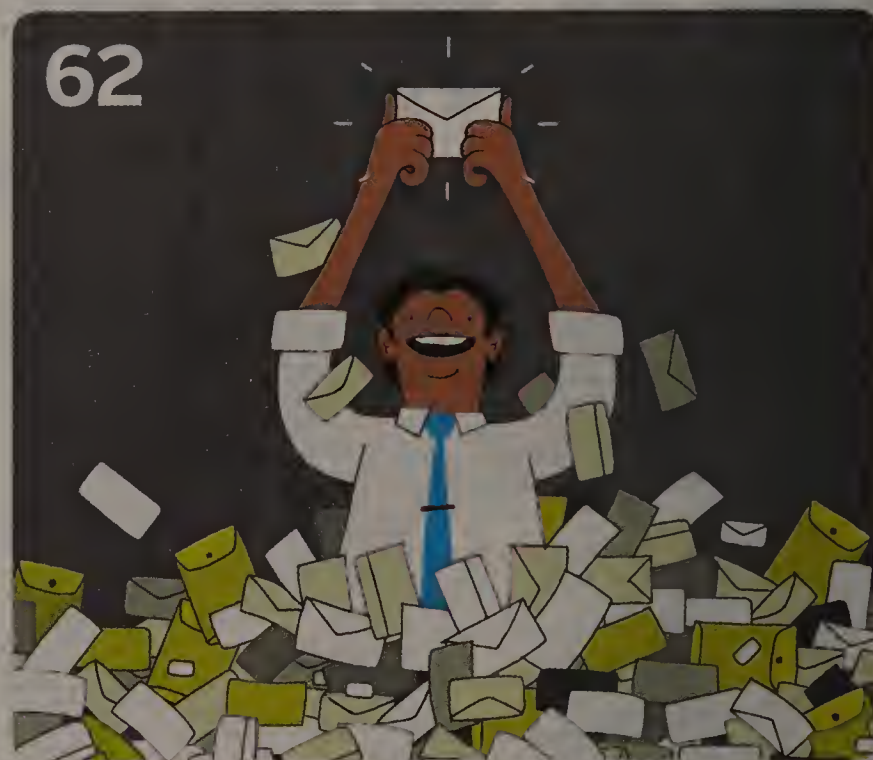
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### Video: Mac OS X Screenshot Secrets

Senior Editor Dan Frakes demos the many options available for getting the

perfect screenshot ([macworld.com/a/164123](http://macworld.com/a/164123)).

### We also recommend:

Video: Share Files with Dropbox ([macworld.com/a/164477](http://macworld.com/a/164477)).

Slideshow: iPod Nano Watchbands ([macworld.com/a/164023](http://macworld.com/a/164023)).

Video: Configuring Mail's Rules ([macworld.com/a/164473](http://macworld.com/a/164473)).

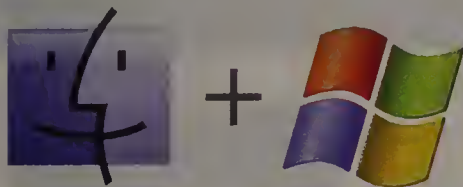
Podcast: Comic Book Writer Greg Pak's "Vision Machine" ([macworld.com/a/164266](http://macworld.com/a/164266)).



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# Role Reversal

Apple was once the underdog. Now it's the vendor everyone else is gunning for.

**A**pple finds itself in a heady position these days. It has flirted with being the biggest company in the world (in terms of market capitalization). The iPhone remade the cell phone market, the iPad redefined the tablet, and the Mac is the only growing part of an otherwise stagnant personal computer market.

Until recently, Apple's success was unimaginable to someone who, like me, has covered the company since the doldrums of the mid-'90s. But that success has a downside, too. Apple is no longer off on the side, doing things nobody much cares about. It's now running at the head of the pack. And it's the target of every other company in its industry.

Apple is most obviously being attacked in the smartphone market. Phones running Google's Android operating system have had great success in terms of raw sales figures. Android may have started out as an iPhone knockoff, but in just a couple of years, it's gotten a lot better.

Meanwhile, Intel—impressed by the success of the MacBook Air—has helped PC makers create a new product category: the *ultrabook*, a thin, light laptop with flash storage and a minimum of ports. In other words, it's a PC laptop that mimics the MacBook Air.

When it comes to tablets, the iPad has led the way and is often imitated. HP's ill-fated Touchpad matched the iPad's size. Samsung's 10-inch Galaxy Tab is the iPad's identical cousin. At least some tablets—Amazon's Kindle Fire, most notably—have tried to do something a bit different.

## Fan Clubs

What strikes me most about the rise of Android is the accompanying rise of an Android fan culture. It reminds me of the old Mac-versus-PC battles, but with smartphones at the center of the argument rather than computers.



**Apple is no longer off on the side, doing things nobody much cares about.**

As someone who has used Apple products since I was 13, I've never been able to look at Apple-fan culture as an outsider. But although I can be quite enthusiastic about stuff that I love, I've always been wary of that culture, too. There are those who think that true fans should view their objects of enthusiasm without negativity—should be cheerleaders, in other words. I don't like uncritical cheering. I'm just not wired that way.

I think that's reflected in the work we do here at *Macworld*. This magazine is created for people who have chosen Apple products and are enthusiastic about them, but we don't shy away from criticizing and spotlighting flaws, either.

The hard-core Android fans I see out there on the Web have a lot in common with some of the Apple fans I encountered in my early days. They've chosen a side, made it part of their identities, and placed themselves in opposition to a large, successful company.

In the old days that was Mac users versus Microsoft. Now it's Android users versus Apple.

## Products for Regular People

I'm not saying that today's Apple is like yesterday's Microsoft. (If any company today reminds me of Microsoft in its heyday, it's Google—but that's another column entirely.) What the Apple of today *does* have in common with the Microsoft of old is resounding success.

Success is great, but it can earn you enemies. And no enemy is more vociferous than a fan of the downtrodden competition. In the early days of the Web, I remember colleagues who were shocked when their online stories were flooded with comments from Mac users angry about some perceived slight to Apple or the Mac.

I now see much the same thing whenever the topic of Android comes up or when Apple is mentioned in a way that seems wrong to Android's fans. Though I find many of their arguments questionable, I love the passion those fans show for the products they love.

But here's the thing: Most people aren't fans of Apple or Android. They're regular people who just want to buy a smartphone or a tablet. They haven't invested their entire personalities in one platform or another; they just want something that works.

In the end, the success or failure of these products will be determined not by hard-core fans, but by the vast bulk of regular consumers who wouldn't think of arguing on the Internet about mobile operating systems.

I think Apple's design philosophy aligns well with those regular people. That's why Apple has become such a wild success. And it's why I believe Apple's success will continue.

When he's not writing about Apple, Editorial Director **Jason Snell** indulges both his critical and fannish sides as the host of *The Incomparable* podcast ([theincomparable.com](http://theincomparable.com)). Follow him on Twitter as @jsnell.



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## MobileMe and Macworld Memories

The deadline for MobileMe's termination is coming, but some readers are praying for a stay of execution. Elsewhere, readers wonder about the ins and outs of iPhone data plans, and one longtime subscriber shares an old piece of *Macworld* history.

### iCLOUDY SKIES

Reading "Head in the Clouds" (*From the Editor's Desk*, January 2012), I said, "That's me!" I have an iPhone, an iPad, and a Mac, and a MacBook Pro. But Apple must prove it runs a very tight iCloud before I'll trust that my files won't evaporate there.

*Michael Astle, via email*

The list of MobileMe features that iCloud lacks includes all the items that made the

former worthwhile ("Welcome to the iCloud," January 2012). Let's campaign to reverse this policy while there's still time.

*Jeremy Nussbaum, via email*

I rely heavily on sharing keychains across my many Macs. Can you do a story on replacements for some of the great MobileMe features we'll lose in June?

*Deac Manross, via email*



[We're working on it! For now, see "Is There Life after iWeb?" Create, page 78, to read about some alternatives to Apple's MobileMe Web-hosting service.—Ed.]

### THE BEST-LAID PLANS

I appreciated "Comparing iPhone 4S Wireless Plans" (*iOS Central*, January 2012). In particular, modeling the cost for one scenario helped me understand the complexities of various plans. Nevertheless, I think that your model was flawed.

Your scenario's cost included an unlimited number of texts; the hypothetical person, however, only needed 100 texts a month, and Verizon offers less-expensive options for lower levels of text messaging.

I understand that the author was likely comparing costs using unlimited texting to

make it "fairer," but it seems odd to highlight Verizon's texting costs and not use them in the final comparison.

*Shirley, via email*

[You're correct: We went with unlimited texting in an effort to level the playing field.

As we noted, you'll have to do some homework based on your particular scenario. Your mileage will vary.—Ed.]

@lindsayletters: I have an iPhone. I use ATT. I'm satisfied. I've never come close to my text or data limit. I wish my plan wasn't so expensive.

### CORRECTIONS

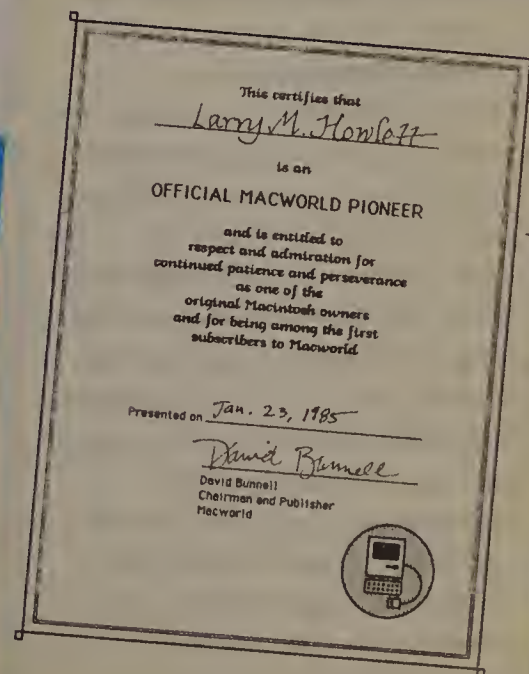
On page 14 of our January 2012 issue, we mislabeled the MacBook Pro hard drive lines as 500MB and 750MB; this should have been 500GB and 750GB.

All reader communications to *Macworld*—through mail, email, our social networking accounts, and our online forums—are presumed to be intended for publication. We reserve the right to edit them.

### THROUGH THE LENS: A PIECE OF THE PAST

*Macworld* subscriber Larry Howlett sent in an early piece of the magazine's history that he received back in 1985.

Have a great Apple-centric photo? Send it to [letters@macworld.com](mailto:letters@macworld.com), and we may feature it in a future issue.



## Ten Things to Do with Your New Mac

Step in the right direction with your new computer

BY LEX FRIEDMAN

**S**o, you're a lucky person—you have a brand-new Mac. And perhaps this is the very first Mac that you've owned. Don't be afraid of your new computer; you're leaving behind a world of headaches, and this new Mac is your pain reliever.

Now that you own a new Mac, here are ten tasks to take care of right away. (I've set up many new Macs in my day, and I've devised a new-Mac-setup checklist. These tips are especially geared for first-time Mac owners.)

### 1: Backup Plan

Yep, this is step 1. Creating a backup system is boring, unfun, and doesn't involve playing with cool apps or doodads. But having a good backup solution now means you won't lose irreplaceable data later. You can start by setting up a Time Machine backup plan, which requires an external hard drive. Or you can use third-party software or an online backup service. Pick at least one and get started. Trust me.

### 2: Install Dropbox

This can dovetail nicely with step 1 above. Dropbox is a free, painless utility that not only backs up your files, but also easily syncs them to other devices. When you install Dropbox, files and folders that you drag into the Dropbox folder automatically get backed up to the Dropbox website—and they also sync to other computers or devices (like iPhones and iPads) logged in to the same Dropbox account.

It's a magical solution for backing up your files, syncing them between machines, and making them available everywhere. No Mac is complete without it. Get it at [www.dropbox.com](http://www.dropbox.com).

### 3: Tweak the Preferences

This is your Mac. Make it look and act the way you want. Fire up System Preferences (it's in the default Dock, or accessible via the Apple menu) and go through every single pane. If you're not sure what something does, or if you can't see a benefit to tweaking a setting, you're free to leave it alone, of course. But tweaking options like Highlight Color (under General), your Mac's background image (Desktop & Screensaver), and the default alert sound (in the Sound Effects tab of the Sound pane) is your Apple-given right, so tweak away.

### 4: Master Gestures

If your new Mac includes a trackpad—either because it's a laptop with a built-in pad, or because you scored a Magic Trackpad to go with your new desktop—take some time to learn about

the many gestures built into Mac OS X Lion, your new Mac's operating system.

One of the simplest ways to discover the various available gestures is right in System Preferences, where you just were in step 2. Click on the Trackpad preference, and you'll find three tabs' worth of mouse shortcuts. Move the cursor over any of them, and you get a video preview of how to trigger the gesture. Some gestures may well improve your Mac computing experience; I, for one, love using the three-finger double-tap on any word to bring up its definition.

### 5: Discover the Mac App Store

On a new Mac, it's right there in your Dock—the blue circle with a stylized A inside it. The Mac App Store offers thousands of apps, and downloading and installing those apps is straightforward. Many apps are free; others require a







**Pinch and Swipe:** Take some time to learn the gestures for your new trackpad.

payment, generally ranging from \$1 to a couple hundred bucks.

While you can—and likely will—find plenty of apps outside the cozy confines of the Mac App Store, browsing it is a great way to discover interesting apps, read reviews, and get a sense of the Mac software marketplace.

## 6: Call Someone via FaceTime

Video chatting might not feel like the future anymore, but it's still a delight. Perhaps no software makes it easier to start (or receive) a video call than FaceTime, which is built right into Lion. Find it in your Applications folder, or use Spotlight (accessible via the magnifying glass at the upper right of your menu bar) to search for FaceTime by typing in the first few letters of the app's name. Now all you need is the email address or phone number of another FaceTime user.

And remember, anyone running Lion or Snow Leopard on a Mac, or using an iPhone 4 or 4S or an iPad 2, can communicate with you via FaceTime. That's a lot of people.

## 7: Download Chrome

It pains me to offer this tip; I've been a devotee of the Safari Web browser since Apple first unveiled it. But Safari 5.1 introduced significant annoyances that made the experience of using it far less enjoyable—unless you welcome undesired

page refreshes, systemwide slowdowns, and other bugginess. Recent updates to the browser have improved the situation a bit, but haven't eliminated the problems.

Google's free Chrome browser isn't flawless, but in my real-world usage, it's faster, more reliable, and less problem-prone than Safari. Get it at [www.google.com/chrome](http://www.google.com/chrome).

## 8: Make an iMovie Trailer

iMovie comes included on every new Mac. (Just check your Applications folder.) Mastering this video-editing program takes patience, but you can create a great-looking pseudo movie trailer using your own video clips in just a few minutes if you follow our tutorial (which you can find at [macworld.com/7619](http://macworld.com/7619)). Creating professional-quality trailers from your own home movies is great fun, and it's an excellent way to get acquainted with iMovie's more powerful features, too.

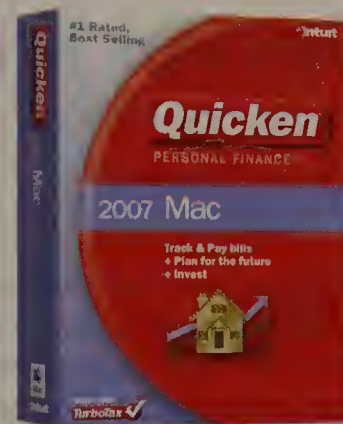
## 9: Record a Song

You've already made a movie; composing your opus should be easy. Like iMovie, GarageBand ships free with new Macs. The app lets beginners and professionals alike create music.

If you have a USB keyboard, that'll help, but you certainly don't need one. Start dragging music loops together—guitar parts, drum parts, and so on—and GarageBand automatically matches their pitch and tempo as needed. You can even play simulated instruments with your mouse or keyboard (Window ► Keyboard). Create an "I Don't Miss Windows at All" jingle and share it with friends.

## 10: Clean Up

Your Mac's desktop is your work (and play) space; neatness counts. Tidy up by removing apps from your Dock that you won't use often. To do so, quit the apps if they're open, and then simply drag their icons out of the Dock; they'll vanish in a puff of virtual smoke, though they're still safely ensconced in your Applications folder, ready for you to run them again should the need arise. Also consider creating a junk folder on your desktop, where you can store files you're not ready to sort.



# Quicken 2007 Coming to Lion, Eventually

BY SERENITY CALDWELL

Mac users of Intuit's personal finance software, Quicken 2007, have not seen a significant update to the program since mid-2006. With Lion's release this past July, Quicken 2007 was locked out of the new operating system. And Intuit has remained mostly silent about any plans to update the software.

## Spring Rebirth

Until this past December, that is. "I am happy to announce that we will have a solution that makes Quicken 2007 for Mac 'Lion-compatible' by early spring," wrote Intuit general manager Aaron Forth in an email delivered to customers. His email links to a support page, which provides a few lines on document compatibility and links to a mailing-list sign-up form; when Quicken 2007 for Lion is available, Intuit will send out a mailing blast to those users.

## Few Details

While this is good news for people who rely on Quicken 2007 and have been reluctant to upgrade to Lion, the information about the update is sparse, and Forth makes no promises about a future, non-Essentials version of Quicken; he only states that "working toward a Quicken for Mac 2007 solution is just a first step" in winning back the confidence of users.



# A Server Suitable for Small Business

Apple's Mac mini with Lion Server is a versatile network device

BY JOHN C. WELCH

## REVIEW

Apple's Mac mini with Lion Server is not

designed to be a big enterprise server. It's targeted at the small-office/home-office (SOHO) and small- and medium-size-business (SMB) markets. As such, it does not include redundant power supplies, hot-swappable components, and other features found in enterprise servers.

Apple upgraded the Mac mini server's processor to a 2GHz Intel quad-core Core i7, a major upgrade in CPU power from the 2.66GHz Intel Core 2 Duo in the 2010 model. Apple also increased the overall memory bandwidth; the Mac mini server uses 1333MHz DDR3 RAM, an improvement on the 1066MHz DDR3 RAM in the 2010 model.



## Thunderbolt-Equipped

The other major change is the new Thunderbolt port that replaces the Mini DisplayPort. Thunderbolt not only has a much faster data-transfer rate than FireWire 800, but also has an adaptable bus: You can hook up a Mac mini server to high-speed storage, either directly through Thunderbolt or through a Thunderbolt adapter, and still leave the gigabit ethernet port free.

Few remote storage devices that include SNMP management are equipped with FireWire, which the Mac mini server still features. And to further complicate things, FireWire devices require a dedicated application to manage the storage.

## Minor Weaknesses

Life with the Mac mini server is not all peaches and cream. I'd really like to see Apple start using ECC memory, which

PHOTO COURTESY OF APPLE



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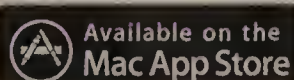
Create reports • Budget spending • Forecast savings • Review expenses • Print checks

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*"An excellent personal finance application that should easily replace any you're currently using."* — macworld.com

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apps. Both for iOS.



protects data from corruption—it provides real peace of mind for a server, at a reasonable cost. I also would be pleased if Apple added more hardware monitoring to the Mac mini server's SNMP implementation—to check temperature, voltage, and so forth. These are small features, but they're important. Also worth mentioning, even though it's hardly a new development and something I don't see as either good or bad, is that the Mac mini server has no optical drive.

Can you replace a high-end server with the Mac mini server? No; if you absolutely have to have a rack-mounted server in the Xserve vein, you're not going to be happy with a Mac mini server. (The H-Squared Mini mount [[macworld.com/7620](http://macworld.com/7620)] does allow you to fit 18 Mac mini servers in 5U of space.)

But these issues aren't showstoppers. In fact, the only major weakness of the Mac mini with Lion Server is, well, Lion Server itself (●●●½; [macworld.com/7605](http://macworld.com/7605)), which,

while a good start on a major revamp of the server software, nevertheless has some serious problems. Unfortunately, Apple doesn't allow you to run older OSs on new hardware—I've seen folks get the new Mac mini server to run Snow Leopard Server, but it's an involved process, and not something I'd recommend. In my opinion, the excellence of the Mac mini server far outweighs the drawbacks.

The Mac mini server is not a good choice if you need hot-swappable components or redundant power supplies in a single box, but the Mac mini server's cost allows you to achieve redundancy in other ways. While the standard configuration is an attractive setup, consider paying the extra money for solid-state drives, since they add considerable performance for the price.

#### Macworld's Buying Advice

The Mac mini with Lion Server is a significant improvement on an already

great product. In its target market (companies with up to 200 users), it's an outstanding performer and it's also a capable server for a wide range of usage needs. The addition of Thunderbolt to the Mac mini server, as well as some timely third-party products, has increased the capability of the Mac mini server far beyond that of the previous version. The lack of ECC memory and a somewhat limited ability to remotely monitor hardware conditions are notable drawbacks, but they should not keep anyone from implementing a Mac mini server. Lion Server has some issues, but as Apple fixes them, the Mac mini server will become that much more impressive.

**John C. Welch** is the IT director for The Zimmerman Agency.

#### Mac Mini with Lion Server

●●●½; \$999; Apple, [www.apple.com](http://www.apple.com)

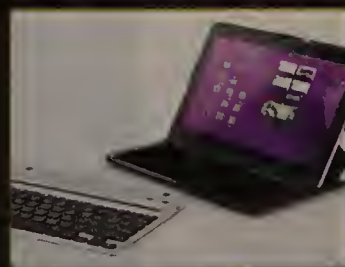
IMPORTANT THOUGHTS  
SHOULD TAKE TIME  
TO FORM.

NOT TYPE.



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FOR iPad® 2 AND GALAXY TAB™ 10.1



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# AppleCare: Should You Buy It?

Apple's extended warranty may be worth the extra cash

BY KIRK MCELHEARN

**A**pple offers the AppleCare Protection Plan for its major hardware products. Is it worth ponying up for the extra coverage? Here's a guide to AppleCare to help you decide whether you should buy this extended warranty.

## What AppleCare Covers

Macs, Apple displays, iPods, Apple TVs, iPhones, and iPads come with a limited one-year warranty. If you need repairs after a year, you'll have to pay for them yourself. But if you opt for the AppleCare extended warranty, that will extend the basic coverage to include hardware repairs and telephone support for a total of three years for computers and displays, and two years for other devices.

You can buy an AppleCare contract either when you buy your new Mac or at any time during the first year. But there's one thing to keep in mind: If you decide to wait until sometime after you buy the device, remember that you won't have extended phone support after 90 days have passed. The phone support won't be available again until you buy AppleCare.

Apple also offers an extended warranty for the iPhone, which it calls AppleCare+; it includes repair or replacement for accidental damage, under certain conditions, and with a service fee. You get a total of two years of coverage, but you must purchase the contract within 30 days of buying your phone.

## When It's Worthwhile


If you use your Mac for work, buy AppleCare immediately. If you consider how much a hardware malfunction would cost you in lost work time, the relatively minor cost for AppleCare is well worth the investment.

The extended warranty is also a worthwhile investment if you have a laptop and carry it around a lot. Laptops

tend to get roughed up, and are more likely to have problems with, say, hard drives than desktop computers are. Also, if your laptop's battery goes bad, Apple may replace it under your AppleCare warranty. (Apple is more likely to repair a component on certain Mac models where the part in question is easier to swap out.)

An AppleCare contract is valid worldwide. So if you travel frequently and encounter a problem with your laptop, or if, say, your child is venturing abroad for school, having that warranty will ensure that any computer problems that arise are covered.

One final reason to buy AppleCare for a Mac: If you keep your Mac for less than



three years, and decide to sell it, the AppleCare contract is transferable. Or you can have Apple issue you a refund for a pro-rated portion of the contract.

## Macs: Current Lineup

PRODUCT	SPECS	RATING	PRICE	DISPLAY	SPEED-MARK 7 <sup>A</sup>	FIND CODE <sup>B</sup>
<b>DESKTOP</b>						
<b>iMac</b> 	Intel Core i5/2.5GHz (quad-core)	★★★★	\$1199	21.5 inches	211	7197
	Intel Core i5/2.7GHz (quad-core)	★★★★	\$1499	21.5 inches	229	7198
	Intel Core i5/2.7GHz (quad-core)	★★★★	\$1699	27 inches	225	7199
	Intel Core i5/3.1GHz (quad-core)	★★★★	\$1999	27 inches	241	7200
<b>Mac Mini</b> 	Intel Core i5/2.3GHz	★★★★	\$599	not included	132	7429
	Intel Core i5/2.5GHz	★★★★	\$799	not included	161	7430
<b>Mac Pro</b> 	Intel Xeon/2.8GHz (quad-core)	★★★★	\$2499	not included	219	6458
	Intel Xeon/2.4GHz (eight-core)	★★★★	\$3499	not included	235	6459
	Intel Xeon/2.66GHz (12-core)	★★★★	\$4999	not included	n/a <sup>C</sup>	6460
<b>PORTABLE</b>						
<b>MacBook Air</b> 	Intel Core i5/1.6GHz, 64GB	★★★★	\$999	11 inches	146	7425
	Intel Core i5/1.6GHz, 128GB	★★★★	\$1199	11 inches	152	7426
	Intel Core i5/1.7GHz, 128GB	★★★★	\$1299	13 inches	166	7427
	Intel Core i5/1.7GHz, 256GB	★★★★	\$1599	13 inches	162	7428
<b>MacBook Pro</b> 	Intel Core i5/2.4GHz (dual-core)	★★★★	\$1199	13 inches	146	7532
	Intel Core i7/2.8GHz (dual-core)	★★★★	\$1499	13 inches	164	7533
	Intel Core i7/2.2GHz (quad-core)	★★★★	\$1799	15 inches	190	7534
	Intel Core i7/2.4GHz (quad-core)	★★★★	\$2199	15 inches	219	7535
	Intel Core i7/2.4GHz (quad-core)	★★★★	\$2499	17 inches	216	7536

n/a = not available. <sup>A</sup> Speedmark 7 is Macworld Lab's standard test tool for benchmarking systems running Mac OS X 10.7 (Lion). For more information on Speedmark testing, go to [macworld.com/7487](http://macworld.com/7487). <sup>B</sup> In a browser's address field, typing in a find code after [macworld.com/](http://macworld.com/) takes you to a product's review or overview. <sup>C</sup> This system has not yet been assigned a Speedmark score.





SGPCASE  
*Linear* EX

Meteor Series for iPhone 4 / 4 S

# MAC GEMS

Discover Great, Low-Cost  
Mac Products **By Dan Frakes**

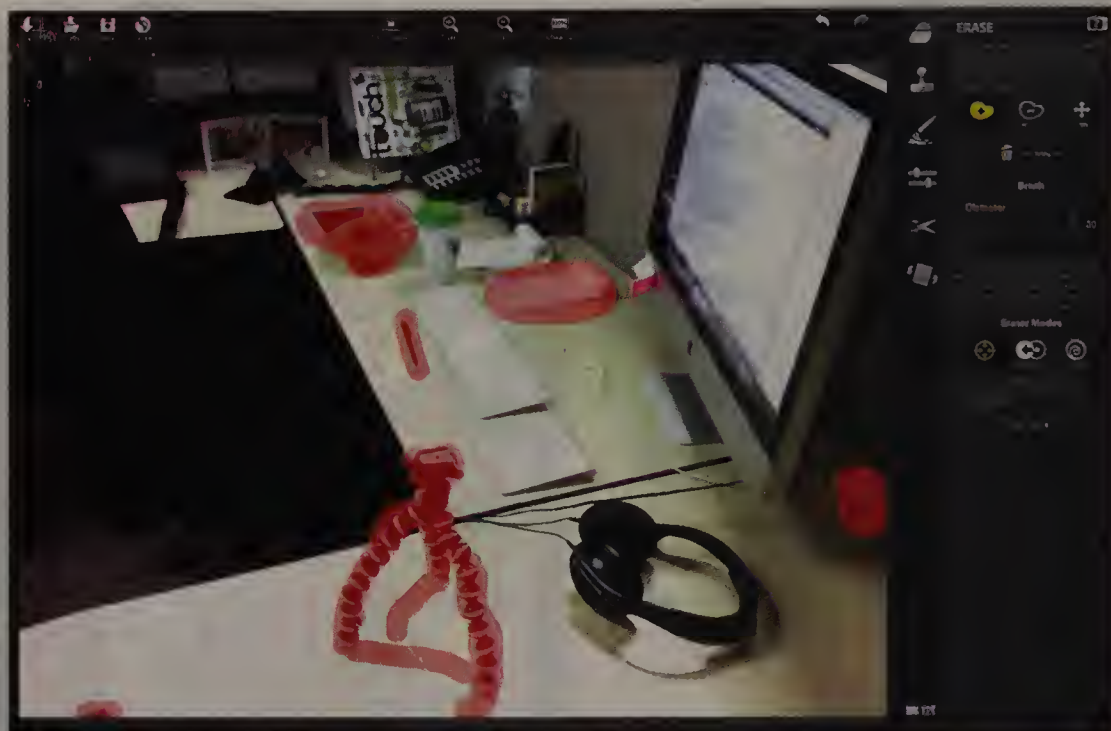
## PHOTO FIXER

### Snapheal 1.0

★★★★; \$20; MACPHUN, WWW.MACPHUN.COM

Chances are you've taken more than a few photos littered with unwanted objects—or even unwanted people. Snapheal lets you remove those things from your photos with a few strokes and clicks; it also offers some basic image-editing tools.

Once you've opened a photo in Snapheal, the process of removing objects from it is easy: You just paint over an object and then click the Erase button, although you can also make more finely controlled edits. For example, you can adjust the brush diameter, unselect painted areas, and choose between three eraser modes: Wormhole, best for small imperfections and objects; Shapeshift, for big objects; and Twister, for sky shots and multiple small objects. Experiment to see which eraser mode works best for a given task—you can always undo an erasure you don't like. For instance, Wormhole mode is sometimes better than Twister mode for erasing an object from the sky, even though both do the job effectively. The actual erase procedure happens quickly,



although the more you've chosen to erase, the longer it takes Snapheal to process the image. Object removal works well, though it's better in less-busy shots.

Once you're done erasing objects, you can perform simple edits right in the program. The Retouch tab lets you selectively edit parts of an image for contrast, saturation, sharpness, blur, and brightness. You can make full-photo adjustments using the app's Adjust tool, which includes sliders for color tempera-

ture, hue, saturation, shadows, highlights, and noise. And a Clone And Stamp tool lets you make fairly detailed fixes when Snapheal's erasures aren't perfect. You can then save your image to your computer, share it via email, or post it to Facebook, Tumblr, Flickr, or Twitter.

If you already have Photoshop, Snapheal is likely not for you. But for those who don't own Adobe's advanced—and wallet-denting—editing software, Snapheal is an excellent alternative.—ALEXANDRA CHANG

## ELECTRONIC JOURNAL

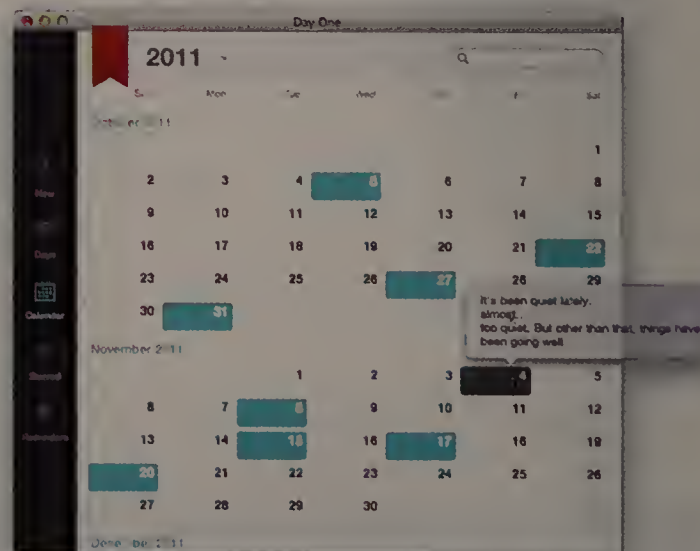
### Day One 1.2

★★★★; \$10; BLOOM BUILT, WWW.DAYONEAPP.COM

Day One is a journaling app that focuses on making it easy to jot down your private thoughts, ideas, or anything else you want to keep for posterity. The program offers a straightforward and polished interface for creating entries, as well as calendar tools for easily revisiting previous entries.

Day One's primary strength is its simplicity. The box for penning your entries—currently text-only—is pleasantly minimal, limited to letting you apply a

specific date to an entry or star it for follow-up; alternatively, you can click Day One's systemwide menu to jot text in a miniature add-an-entry box. You can also password-protect your journal, and the developer offers a \$2 iOS version for journaling on the go; the Mac and iOS versions sync your entries using Dropbox.—DAVID CHARTIER





## WI-FI-NETWORK OPTIMIZER

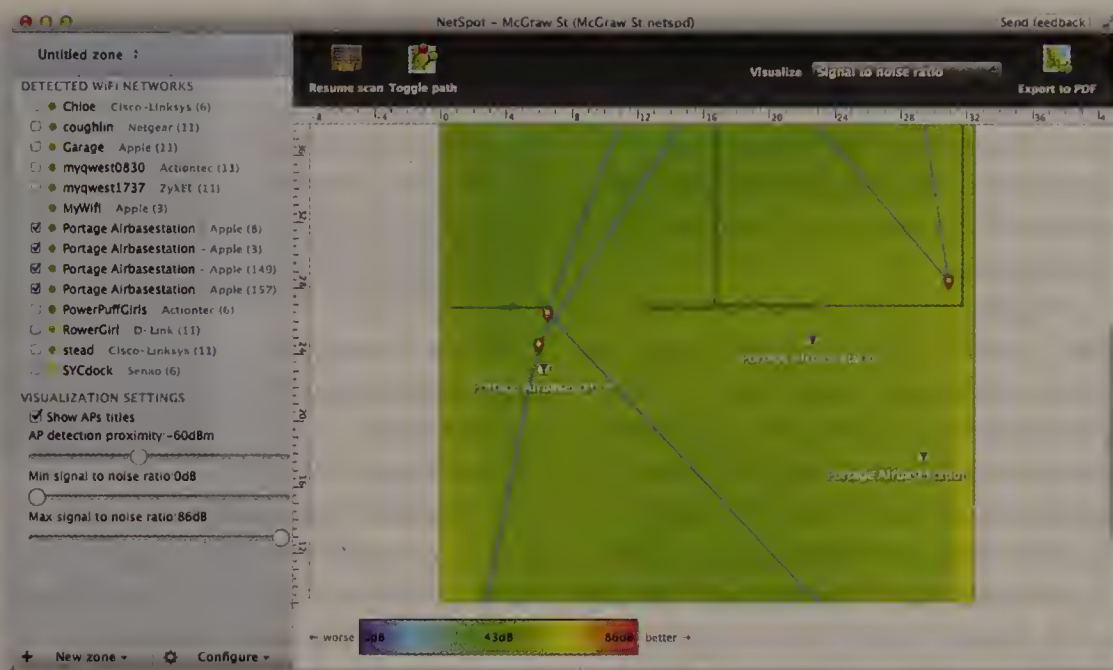
# NetSpot 1.1.284

👤👤👤👤; FREE; NETSPOT TEAM, WWW.NETSPOTAPP.COM

Ever wondered how to get the best coverage and performance from your Wi-Fi network? NetSpot lets you use your Mac laptop to survey your network. Import a to-scale map of your location, or draw one using the included tools, and then simply walk the area with your laptop. Stop at any position and click that location on the map, and NetSpot performs a scan of all Wi-Fi signals it can find.

NetSpot then draws a color-spectrum heat map indicating the network's signal-to-noise ratio (SNR) at every point. Alternatively, you can view a raw signal-level or noise-level heat map, or a visualization of areas in which base stations' signals overlap.

You can also include or omit specific base stations and Wi-Fi networks, and you can choose to display routers by channel, which can be helpful in selecting an unused Wi-Fi spectrum if you're in a crowded network environ-



ment, such as an urban apartment or condo. NetSpot's map also identifies the rough position of each base station; click any base station on the map to get detailed information about it and its

offerings. Using these visualizations, you can see where your network coverage is strong and poor, and where you might move a particular base station to improve coverage.—GLENN FLEISHMAN

## GEM UPDATES

# Fantastical, Moom, and Printopia

Since my original reviews, these Gems have been updated significantly enough to warrant new ratings. In fact, all three impressed us enough to win *Macworld* Eddy awards (read more about our Eddy winners at [macworld.com/a/163951](http://macworld.com/a/163951)). If you haven't yet tried them, now's a great time to take a look.

**Fantastical 1.1** This menu-bar-based calendar app now lets you edit and delete events without having to open your main calendar program or website. You can also now add and edit notes and set multiple alarms; use Lion gestures and more keyboard shortcuts to navigate; and send data to Fantastical from other apps. A downloadable add-on lets you reposition the Fantastical menu anywhere in the menu-extras area of your menu bar (👤👤👤👤; [macworld.com/7574](http://macworld.com/7574)).

**Moom 2.3.1** This utility for moving and resizing windows has seen a slew of updates. You can now use the cursor or keyboard shortcuts to draw your desired window size and position on a virtual screen (you were previously limited to set sizes and locations). You can also create custom presets and actions, accessible via keyboard shortcuts and Moom's zoom-button menu, and you can take snapshots of multi-window layouts that

Moom can restore—useful if, for example, you have a MacBook and you regularly switch between using one display (just the laptop's) and multiple displays (the laptop's and an external display). Moom can even automatically restore a snapshot whenever it detects a particular screen resolution or number of displays (👤👤👤👤; [macworld.com/7574](http://macworld.com/7574)).

**Printopia 2.1.5** Printopia originally let you print wirelessly from an iOS device to any printer accessible from your Mac, as well as save documents as PDF or image files to the Printopia or Dropbox folder on your Mac. Printopia now lets you create an unlimited number of Mac and Dropbox virtual printers; send documents directly to a particular program on your Mac (for example, to open an iPad screenshot directly in OS X's Preview); and configure any PDF workflow—the options under PDF in Mac printing dialog boxes—as a virtual printer. Printopia also now supports password security for real and virtual printers, as well as configuring default settings for each. It also supports AirPrint printing from any Mac running Mac OS X 10.7 (Lion) without having to enable Lion's Printer Sharing feature (👤👤👤👤; [macworld.com/7591](http://macworld.com/7591)).



## BREAK REMINDER

## BreakTime 2.0

★★★★; \$5; EXCITEDPIXEL, EXCITEDPIXEL.COM

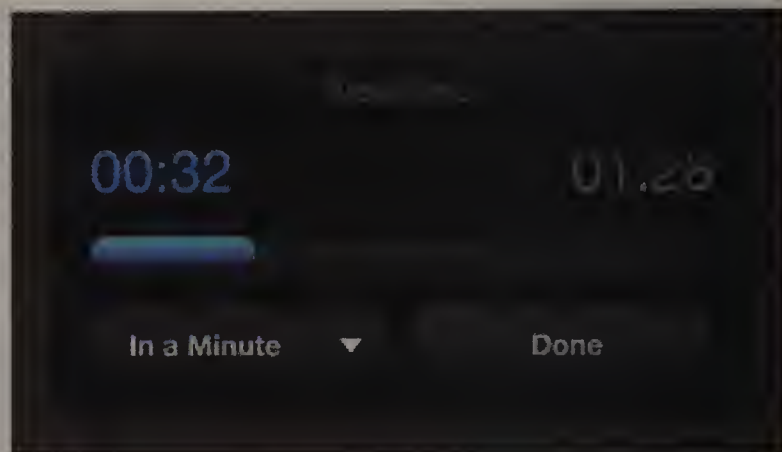
Recent scientific studies have suggested that spending too much time sitting down—for example, while working at your computer—is bad for you. Short breaks can offset some of the downsides, and BreakTime aims to help you take those breaks.

At regular intervals, BreakTime dims your screen and pops up a window to remind you to take a break, get up, and walk around. During your break, a timer indicates how much time is left until you can go back to work. When the time is up, click Done, and the main timer starts counting down the time until your next break. Repeat. BreakTime's streamlined interface is both attractive and non-intrusive, and its menu-bar icon is a stopwatch that gives you a rough idea of

how far you are from your next break.

You can adjust the length of your breaks, as well as the amount of time between them. But BreakTime is also smart—you can configure the program to notice when you're away from your computer and put off your break until you start working again. Should you want to reschedule your break manually, you can just click on BreakTime's menu and drag the break slider to your desired time.

If you're in the middle of a thought when a break occurs, you can delay it by one, five,



or 15 minutes. However, if you find this feature too tempting, you can disable these options; or you can go a step further by using the Enforce Break feature, which prevents you from clicking the Done button before your timer is up and from switching away from the app.—DAN MOREN

# AppleMount.com

## NO brackets or clips.

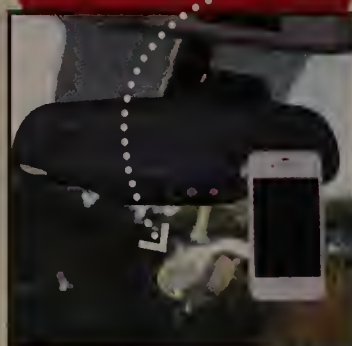
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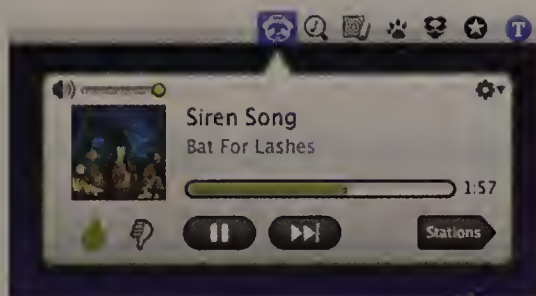
# PANDORA PLAYER

## PandaBar 1.2.1

\$\$\$; \$5; MAHA SOFTWARE, WWW.PANDBARAPP.COM

If you use the Pandora streaming-music service, PandaBar lets you listen to your Pandora stations without having to use the Pandora website or Pandora's Adobe Air desktop app. Just click the PandaBar icon in your menu bar to access PandaBar's compact player window; click the Play button to start listening, or click Stations to choose one of your other stations. You can sort the stations list alphabetically or by creation date, although you can't create new stations from within PandaBar—you'll still need to visit the Pandora site for that.

The player window displays the album cover for the current track, the track's artist, and the current track's progress and remaining time. You also get Pandora's trademark thumbs-up, thumbs-down, and track-skip buttons, the first two for rating



the current track (to give the service more data for customizing your stations) and the last for skipping to the next track in the station. Click the album cover to view more information about the artist on the Pandora website; click the tiny speaker icon above the album cover to adjust music volume independent of your Mac's system volume. PandaBar can optionally display Growl notifications whenever the track changes or you rate a

track. And if you subscribe to Pandora One (Pandora's paid service), PandaBar can grab higher-quality audio streams.

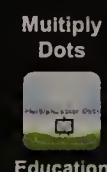
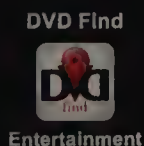
PandaBar provides keyboard shortcuts for most actions, although it doesn't let you customize those shortcuts. You can also control PandaBar using the media-playback keys (play/pause and back/forward) on your Apple keyboard, and PandaBar supports the Apple Remote on Macs with an infrared receiver. While it doesn't have the extensive feature set found in some other Pandora apps, PandaBar is easy to use, doesn't use much memory or CPU resources, and gets out of your way.

Check out the **Mac Gems** blog at [macworld.com/macgems](http://macworld.com/macgems).

# Your iPhone/iPad Idea to Fruition in 2 Steps

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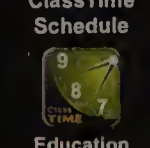
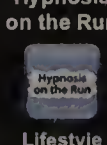
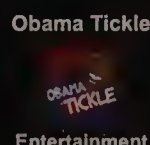
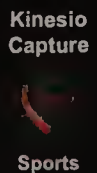
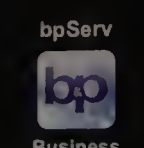
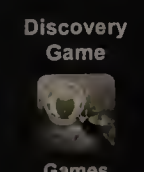
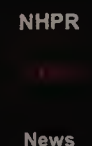
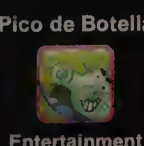
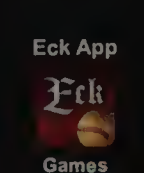
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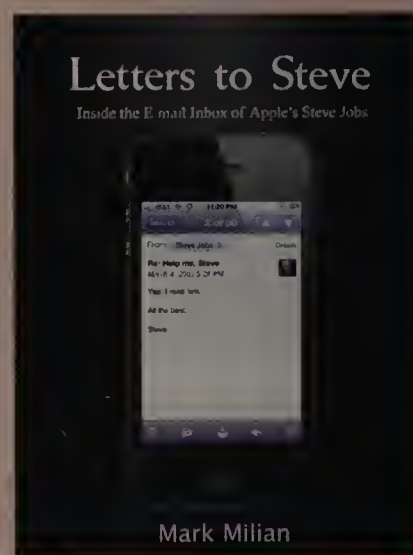


## Retrode

Retrode has a new USB adapter for Macs and Windows PCs that lets you play Super Nintendo and Sega Genesis games using the original game cartridges and controllers. The \$85 device works with Super Nintendo or Sega Genesis software emulators that you run on your Mac; the Retrode is basically a cartridge reader that can play the official ROM and save files off your cartridge. The Retrode is also equipped with four controller ports for SNES and Genesis controllers (two per system), letting you fully relive those golden years of console gaming. Imagine playing Super Street Fighter II Turbo again with a six-button Sega controller. Or, if you've still got your copy of Chrono Trigger lying around, you can finally get around to seeing all 13 endings with your original save file from 17 years ago. Retrode doesn't provide the game emulators, so you'll have to find and install a software emulator of the game console you want to run, but it's a much safer alternative to downloading illegal and potentially virus-ridden ROMs ([www.retrode.com](http://www.retrode.com)).—KEVIN LEE

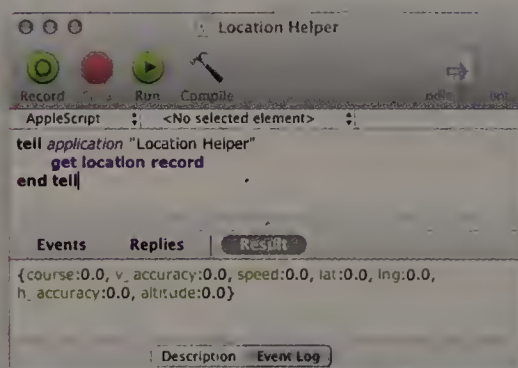
## Letters to Steve

Throughout his career, former Apple CEO Steve Jobs sent a myriad of email messages to fans, developers, and Mac users. CNN writer Mark Milian has collected more than 100 of these emails into an ebook, titled *Letters to Steve: Inside the E-mail Inbox of Apple's Steve Jobs*. Each chapter skips through time to feature Jobs's replies on a variety of subjects. For those with an interest in Jobs who haven't yet heard these stories, or who want a collection of his letters, *Letters to Steve* may suit your needs. You can pick up the ebook from the Amazon Kindle store for \$3 ([www.amazon.com](http://www.amazon.com)).—SERENITY CALDWELL



## Location Helper

With David Blishen's free application running in the background on your Mac, you can use AppleScript to get geographic information on your Mac's location. For example, the command **get location coordinates** will display the current latitude and longitude of your Mac's location (payment requested; [www.mousedown.net](http://www.mousedown.net)).—ROMAN LOYOLA



## EXpress

With BulletTrain's \$139 aluminum chassis, your input devices for your desktop Mac are set up just the way they are for your Mac laptop. The eXpress fits your Apple Wireless Keyboard and Trackpad (you have to provide those devices) into a single aluminum case, which can be especially useful if you use a Mac as part of your home entertainment center and you operate the keyboard and trackpad from the couch. You can also use the eXpress in a conference room, or in any setup where you want to use your Mac from a distance ([www.bullettrain.com](http://www.bullettrain.com)).—ROMAN LOYOLA



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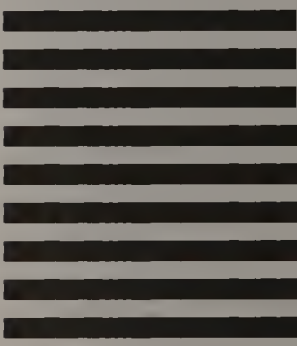
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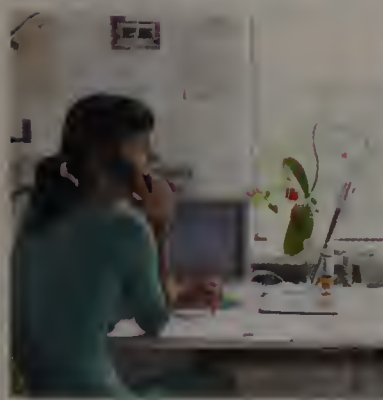
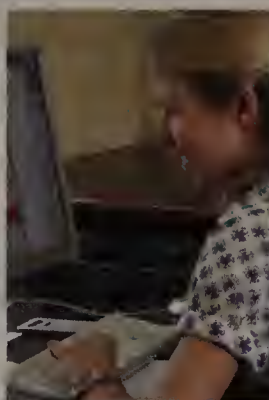


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- Telephone Surge Protection



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## Six Tips for Mastering Siri

Turn the iPhone 4S's voice-control features into an impressive productivity booster

BY LEX FRIEDMAN

**S**iri, the artificially intelligent assistant built into the iPhone 4S, is fun to show off. You can joke around with Siri, scoring funny replies if you ask it to beam you up, open the pod-bay doors, or share its favorite color. But Siri offers more than just a source of amusement: It can also help you get more things done with your iPhone. Here's how to turn Siri from a parlor trick into an impressive productivity tool.

### Speak Your Punctuation

Unless you frequently dictate missives, reciting your punctuation aloud doesn't feel quite natural. But without it, any time Siri transcribes what you say, your text will resemble a texting tween's stream of consciousness. Thus, when Siri asks you what you'd like your new email to say, speak like this:

dear dad comma new paragraph happiest of birthdays exclamation point we'll try to FaceTime with you later comma once the kids are home from school period smiley face

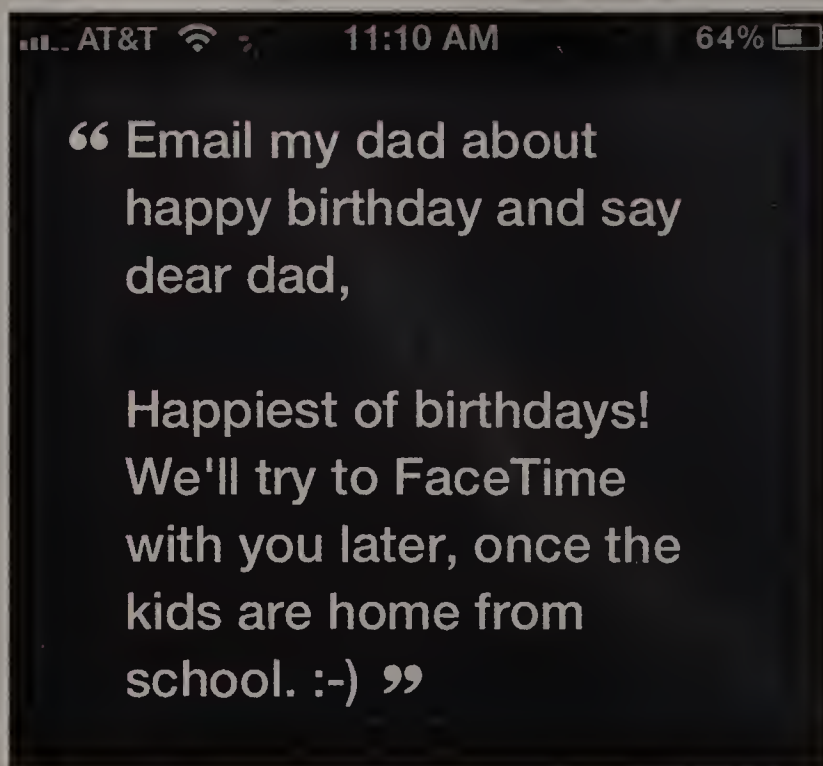
## Sometimes Siri listens without really hearing. But saying your punctuation or using cue words can clear up misunderstandings.

Siri can handle other dictation instructions, too.

> Saying **all caps** makes the next word you speak all uppercase; **all caps on** and **all caps off** toggles caps lock.

> Saying **cap** initial-capitalizes a word, as in **I named my dog cap Cat**.

> Speaking the names of punctuation marks and symbols—such as ampersand, asterisk, open or close parenthesis,



em dash, percent, copyright, registered, section, dollar, cent, and degree sign—makes them appear.

> Saying **smiley**, **frowny**, and **winky** (optionally with **face**) creates the appropriate emoticon.

(To make things easier to read, the rest of the examples in this article show the punctuation mark in commands instead of spelling it out—for example, the period symbol [.] instead of the word *period*.)

### Use Cue Words

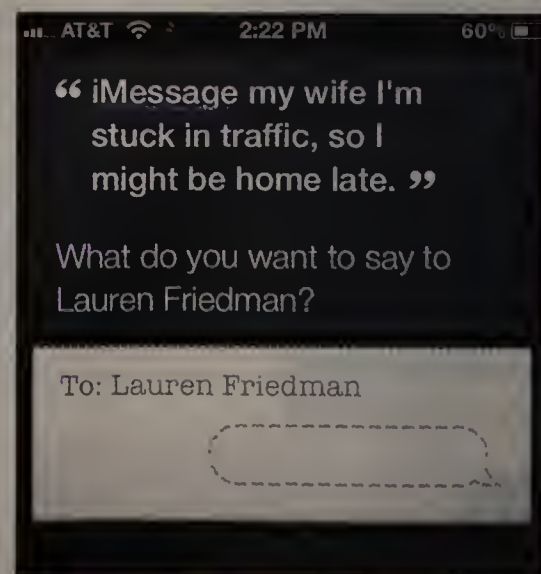
Sometimes Siri listens without really hearing. Too often I've been burned by Siri when giving it instructions like this:

### Symbolic Speech

Siri understands a slew of punctuation terms, like *new paragraph*, *exclamation point*, and even *smiley face*.

**iMessage my wife I'm stuck in traffic, so I might be home late.**

Siri faithfully transcribes my instruction, and then replies somewhat unhelpfully: "OK, I can send a text to



**Following Cues** If you don't use cue words, Siri may ignore some of what you say.



Lauren Friedman for you. What would you like it to say?” I appreciate that Siri knows I want to send an iMessage, and understands whom I want to send it to, but it’s frustrating to recite your message only to have Siri ignore it. However, it’s possible to both start and dictate a new iMessage (or text message) in a single step. Just add a cue word or phrase like **that**, **say**, or **tell him** or **tell her**.

iMessage my wife **that** I’m stuck in traffic, so I might be home late.

### Change Siri’s Mistakes via Speech

Siri is imperfect. Sometimes it doesn’t properly transcribe what you’re saying: **Tickle Me Elmo** might become **Pickled Feet Elmo**—not exactly what you meant. When Siri tells me my transcribed message is ready and then asks if I’m ready to send it, I can correct the message pretty easily.

Change the message to **Maybe we should get her a Tickle Me Elmo doll**.

You can also instruct Siri that way when it creates reminders, email messages, calendar events, notes, and the like.

If you’re driving or unable to look at the screen for any reason, you can instruct Siri to read back your tran-

scribed message before sending it to avoid any awkward, embarrassing, or confusing errors. When it asks you to save or send your iMessage, email, reminder, or whatever, just say **Read it to me first**. Then you can change it, save it, or send it with Siri, as needed.

### Edit Siri’s Transcriptions

Suppose you say the following:

iMessage my boss I’ll have the completed project on your desk tomorrow morning.

The mistake, of course, is that you forgot a cue word; Siri notes only that you want to send an iMessage to your manager; it doesn’t record the content of the message you’d like to send. If you’d like to avoid repeating yourself when Siri asks for clarification on what message you’d actually like to send your boss, you can instead scroll back up to where Siri transcribed your instructions incorrectly.

Tap on the mistranscribed text to make it editable. I inserted a **that** between **boss** and **I’ll** and then tapped Done. Siri reprocessed the corrected instruction, and this time it knew just what I was trying to say.

Even better, when the on-screen keyboard appears as you edit the transcribed text, you can use the microphone button to start dictating as



**Naming Names** Tell Siri how to refer to different friends and family members, and then use those labels to contact them.

*you edit your transcribed text.* It’s self-referential, but it works.

### Name Your Friends

So long as you use real words, you can tell Siri about important people in your life in fun ways. You probably already know that you can tell Siri about connections: for instance, **Lauren Friedman is my wife**. You can also add fancier connections like **father-in-law**, **best friend**, and **nemesis**.

I told Siri **Philip Michaels is my boss**, which Siri understood. Now, when I say **iMessage my boss that he’s a constant delight to work for**, Siri knows just what to do.

The relationships you tell Siri about get added to your own address book entry. You can add them manually by going to your record in your iPhone’s Contacts app, tapping Edit, and adding or editing fields in the relationship section.

### Know What You Can Say

You may have come across lengthy lists of things you can say to Siri. (See “Advanced Instructions” for some of the phrases that Siri understands.) For instance, after receiving an iMessage, just add **Reply to** in a message—**Reply to Dan Moren that I agree completely**—to create your response. Saying **Note to self: Buy a loaf of bread** creates an appropriate entry in the Notes app. And **Show me March 8** summons up your calendar for the day in question.

## Advanced Instructions

Siri can do more than just take dictation and send text messages. Here are specific commands and questions you can pose to the iPhone 4S’s voice-activated assistant.

- > What day of the week was November 28, 1980?
- > Remind me to order iTunes gift cards two days before Valentine’s Day.
- > How many days until Mother’s Day?
- > Make an appointment named Weekly Check-in for three days after Saint Patrick’s Day at 10 a.m. with Bob Smith.
- > Reschedule my meeting with Bob Smith to March 25 at 2 p.m.
- > When is my next meeting?
- > What time is it in London?
- > What time is sunset in Tucson, Arizona?
- > Remind me to pick up milk when I leave here.
- > What is the current outside temperature?
- > How high did AAPL get today?

# Game Changer: OnLive's Streaming Service Comes to the iPad

BY LEAH YAMSHON

**G**ames you would normally play on a dedicated gaming console are coming soon to the iPad, continuing the iOS platform's evolution as a go-to source for gaming.

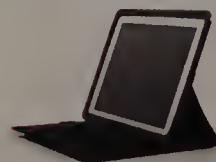
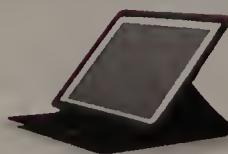
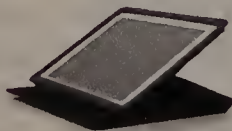
The latest gaming options come from OnLive's streaming service. Games run on the company's remote servers, streaming to client software like the company's planned iPad app. (The app was not out as this issue went to press.) OnLive's video compression technology minimizes streaming lag so that gameplay isn't impacted. You can sign up with OnLive for free, and many games offer free demos to subscribers. (Prices range from \$2 to \$50; OnLive also features rentals.)

OnLive's iPad app will offer touch-interface games that exploit the iPad's screen, such as L.A. Noire and Defense Grid Gold. Other OnLive offerings will be formatted with a virtual gamepad that emulates OnLive's wireless controller. And a few mobile library titles will require an OnLive controller—a \$50 gamepad that connects to your iOS device via Bluetooth.



While OnLive announced the iPad app back in December, we can't say when compatible games will appear through the service, as that's up to individual developers.

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# Managing iMessage

BY LEX FRIEDMAN

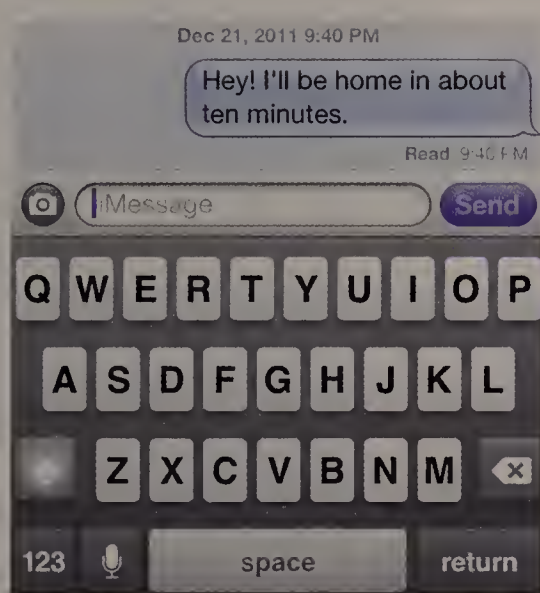
**A**pple's iMessage lets you send text, picture, and video messages to other iPhones without using up the data allotment in your messaging plan. And it works with any device running iOS 5—iPads and iPod touches included. iMessage is pretty useful from the get-go, but there are a few ways you can get even more out of its messaging capabilities.

**Read Receipts** iMessage has the ability to indicate to you when your recipient has read your message. This option, called Read Receipts, is turned off by default. Out of the box, when you send iMessages, you can see the moment they've been delivered. But if your recipients turn on Read Receipts, you can see when delivered messages have been read.

It sounds a smidgen creepy, but it's really not. When my wife's iPhone is in her purse, I know she sometimes doesn't hear iMessages arrive. Since she has Read Receipts enabled, however, I know when she's seen my message. And since she knows I know, she needn't respond to informational messages that merit no response beyond a simple 10-4, like "I'll be home in about ten minutes."

So, do the iMessaging community a favor and turn on Read Receipts. Then get all your friends to do so, too. Here's how: Launch the Settings app, and then scroll down and tap on Messages. From there, slide Send Read Receipts into the On position.

**Direct Address** While you're mucking around in Messages' Settings, select the Receive At option. That's where you can set all the email addresses you own at which you'd like to receive iMessages. (Even though iMessages are sent using your email address, they don't go to your mail inbox; they're delivered straight to the Messages app.) If you have more than one email address (say, a work address and a personal one, or just multiple personal accounts), you can



**Message Received** When you enable Read Receipts, your contacts can see when you've read their iMessages.

configure things so that iMessages sent to any of those addresses all point to you. That means when people who have different email addresses for you reach out to you via iMessage, all their messages go to the Messages app.

You'll be asked to confirm any email addresses you add: Apple sends you an email, and you select the link inside that message to prove you own the address.

**Caller ID** Just below those email addresses you added in the Receive At settings is another option called Caller ID. You use it to indicate where your iMessages are coming from—a phone number on your iPhone, say, or any of the email addresses you've linked to your iMessage account.

I suggest choosing your main email address instead of your phone number. That's the ideal approach for anyone using an iPhone in tandem with another iOS device—like an iPad, as the tablet can't receive iMessages sent to your iPhone's phone number. It can, however, show messages sent to (and from) an iMessage-linked email address. So, by using an email address for your iMessage Caller ID, you can ensure that your messages are completely synced on all your iOS devices.

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# Carrier IQ Data Tracking Raises Privacy Concerns

BY DAN MOREN

It sounds innocent enough: An application called Carrier IQ aims to help wireless networks make sure everything's working right. But allegations have emerged that this software is doing much more than it should be, to the point where it may be compromising the data of smartphone users.

**What Is Carrier IQ?** Carrier IQ is an analytics company that measures mobile device performance through its Carrier IQ software. Because of the way it's installed on your phone, you may not even know it's running, and it doesn't necessarily alert you as to when it's on and what it's collecting.

**What Information Does It Track?** It gathers a variety of data, including whether an SMS message was sent accurately, what apps are draining your device's power, when calls drop, and more. But Android developer and system administrator Trevor Eckhart alleges that Carrier IQ can be configured to record information like contact data and keystrokes on Web pages, transmit that information to remote servers, and even allow access to it on a device-by-device basis.

**Who's Collecting What Data?** This is where things get complicated. Carrier IQ says it hands its software over to the carriers, and then washes its hands of the

matter. Both Sprint and AT&T use Carrier IQ for improving their networks; Verizon says it doesn't use Carrier IQ at all. Apple said in December that it stopped supporting Carrier IQ in "most" of its products as of iOS 5. The iPhone 4 is the only remaining device running Carrier IQ; Apple plans to remove it from iOS in a future update.

**How Do I Opt Out?** Go to Settings ► General ► About and tap Diagnostics & Usage. You'll find two options: Automatically Send and Don't Send. Tap Don't Send, and your phone will still log the data but won't send it to Apple. But since that data can help suss out reception problems or dead spots, you may be cutting off your nose to spite your face.

**Should I Be Worried?** Apple says that it didn't collect or record any personal information, just diagnostic data—and the company is usually fastidious about such things. So probably not.



## What's New at the App Store

### **Phraseology Offers Text Analysis for iPad**

The ever-crowded field of iOS text editors ([macworld.com/7615](http://macworld.com/7615)) gets another entrant with Phraseology from Agile Tortoise. Unique features in Phraseology include a special Arrange view for dragging around paragraphs and an Inspect tool that measures readability scores and average sentence length, among other text-analysis metrics. As this issue went to press, the iPad-only app cost \$2.—DAN FRANKS

### **Apple Shuffles Its Cards App**

Cards ([macworld.com/7588](http://macworld.com/7588)), the iPhone app for photo-card creation released by Apple last October, gets improvements in three areas in its version 1.0.1 update. It's now easier to edit text in the app. Cards now attempts to verify the address of your recipient to make sure you tapped it in correctly. And the interface for confirming your purchase of a photo card through the app is now a bit simpler to navigate.—LEX FRIEDMAN

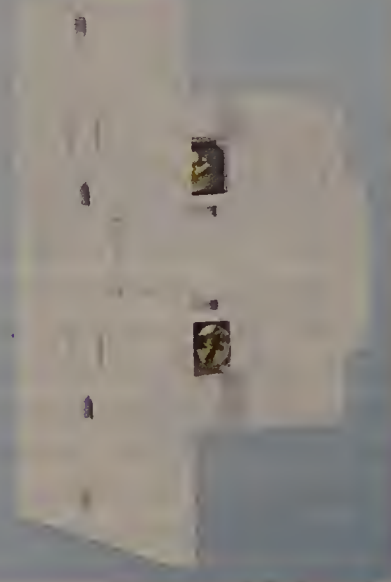
### **LocalEats Adds Menu Data**

Users of the free LocalEats app can use their iOS device to track down the best places to eat in a particular city. The latest updates to both the iPhone ([macworld.com/4203](http://macworld.com/4203)) and iPad ([macworld.com/7082](http://macworld.com/7082)) versions of LocalEats mean users should have a pretty good idea of what's on the menu by the time they sit down at their table. A partnership with local-business promotional firm SinglePlatform has added menus for nearly three-quarters of the 14,000 restaurant listings featured in LocalEats.—PHILIP MICHAELS

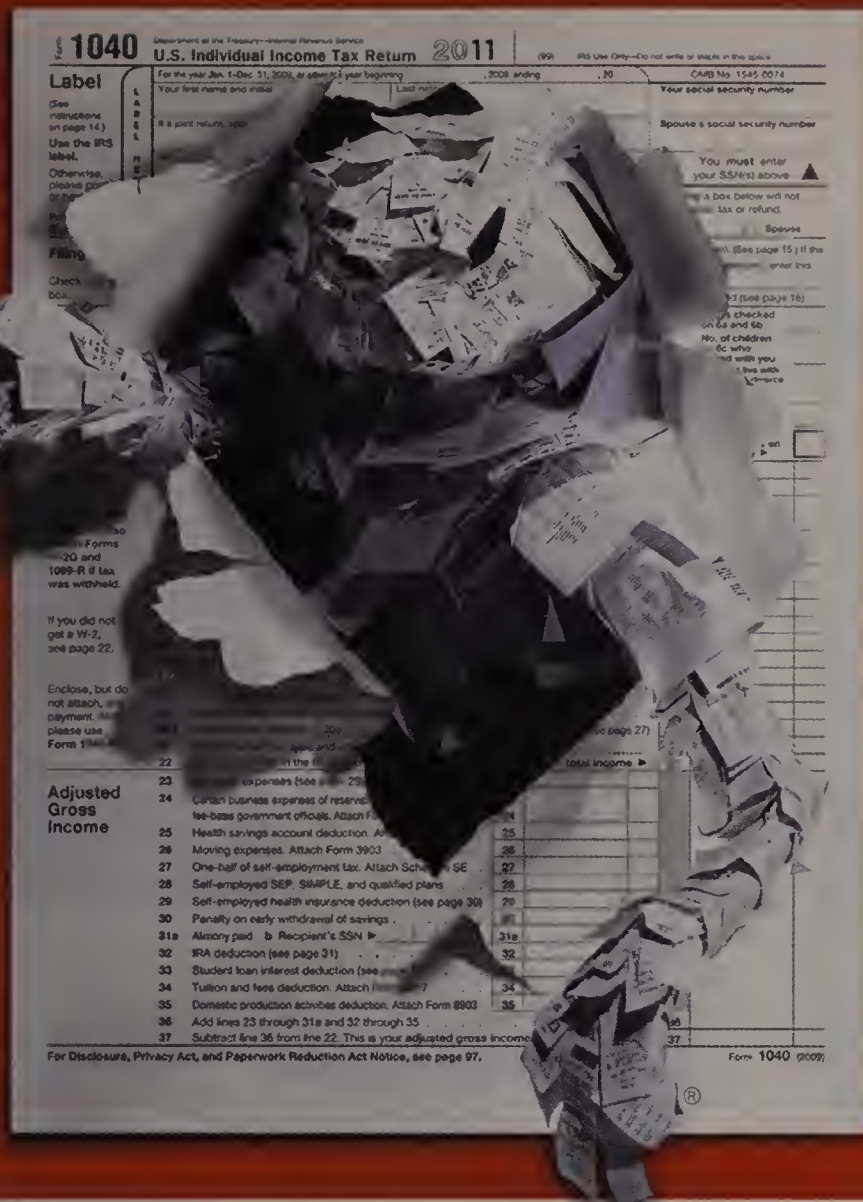
## SPOTLIGHT ON IOS ACCESSORIES

### Power2U

Now you can forgo the middleman when it's time to power up your iPhone or iPad. NewerTech's \$40 Power2U AC/USB Wall Outlet ([macworld.com/7616](http://macworld.com/7616)) allows you to replace your standard AC wall receptacle with one that offers the usual two electrical outlets along with two USB ports, enabling you to charge your iPhone, iPad, or iPod using only a USB-to-dock-connector cable. You install the Power2U in place of a traditional outlet on any 15-amp circuit with a standard electrical box.—JOEL MATHIS







# TAME YOUR PAPER MONSTER.™



**NeatDesk** FOR MAC  
DESKTOP SCANNER +  
DIGITAL FILING SYSTEM



This high-speed, duplex scanner lets you scan multiple paper types all at once, or even insert up to 50 pages for lightning-fast batch scanning.



**NeatReceipts** FOR MAC  
MOBILE SCANNER +  
DIGITAL FILING SYSTEM



At less than one pound, the USB-powered scanner fits easily in your laptop bag and is perfect for the road, home, or office.

Neat helps you get rid of the Paper Monster at tax time (and all year long) with powerful, yet easy-to-use software and scanning solutions. Our patented software extracts key details from your paper, then organizes it in a digital filing system. Good for productivity. Bad for Paper Monsters and IRS auditors.

- ▼ **Scan** receipts, business cards and documents in a digital filing system
- ▼ **Organize** receipts by IRS tax categories, create tax reports and expense reports
- ▼ **Export** data to Excel®, TurboTax®, Mac Address Book®, and more

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SOFTWARE  
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**FREE TAX PREP** Enter to win at [neat.com/MWTAX](http://neat.com/MWTAX)


\*With purchase



# APP GUIDE

Software for Your iPhone, iPod Touch, and iPad

## Mighty Fin 2.1.1

**GAMES** The App Store offers a boatload of side-scrolling games, but Mighty Fin stands out as a pretty impressive catch. You control a fish swimming past an array of obstacles—coral reefs, hungry sea creatures, the occasional iceberg—collecting coins and bonuses along the way. The game's controls are as easy as can be—tap the screen to make your fish sink, and release to have him jump toward the surface. A multitude of levels and three gameplay modes keep things fresh, and the ability to dress your fish in costumes you earn along the way will delight younger players. The graphics, sounds, and basic but still challenging gameplay add up to a delightful app for the iPhone and iPad.—**PHILIP MICHAELS**  
iPhone/iPad | ; \$1; Launching Pad Games

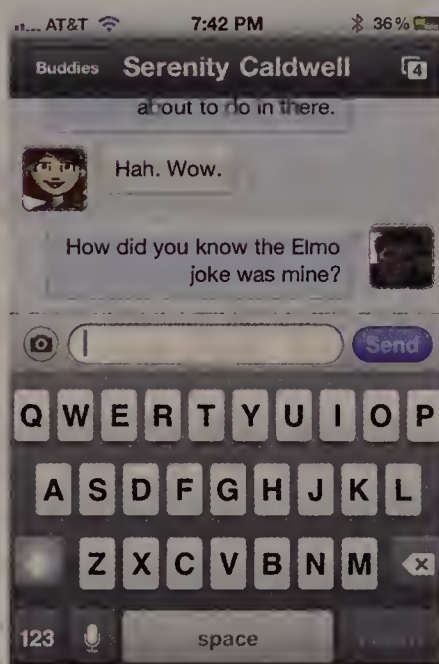


## Subtext 1.0.2


**ENTERTAINMENT** For an interactive reading experience, it's hard to top Subtext, which lets you leave comments directly in the pages of a book and see the comments that others have left. Subtext accepts all Adobe DRM-protected eBooks and DRM-free eBooks; the app also integrates with the Google eBookstore, Kobo books, and Project Gutenberg. The reading experience is both pleasant and customizable, and the note-bubble icons are pretty nonintrusive. In some cases, authors leave comments as well, which can really add to your enjoyment of a particular book.

—ALEXANDRA CHANG

iPad | ; free; Subtext



## Verbs IM 2.2.1

**CHAT** Great as iOS 5's iMessage feature is, there's still no Apple-provided way to exchange instant messages across popular networks like AOL Instant Messenger, Facebook, and Google Talk from your iOS device. If Apple were to build an IM app, though, it would look a lot like Verbs, which lets you easily connect to any number of different accounts. It's a snap to manage multiple conversations, and a favorites feature takes some of the pain out of navigating lengthy buddy lists. Verbs IM doesn't support push notifications—a big omission—but the features that are there are lovely to look at and use.—**LEX FRIEDMAN**  
iPhone/iPad | ; free; Include Tech

## APP GEMS

### Gift-List Managers



**Gift Plan**  Manage your gift giving throughout the year with this sleek app ([macworld.com/7600](http://macworld.com/7600)).

#### We also like:




**iPresents**  [macworld.com/7599](http://macworld.com/7599)

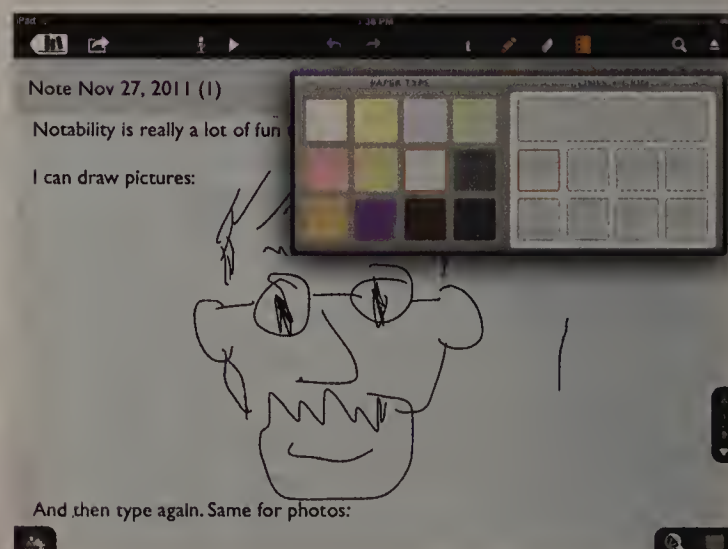


**mGifts**  [macworld.com/7601](http://macworld.com/7601)

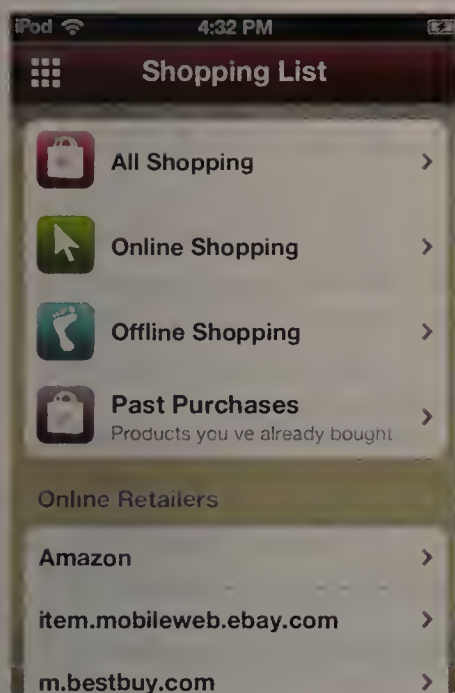
Find other productivity tools at [macworld.com/4970](http://macworld.com/4970).

## Notability 4.01

**PRODUCTIVITY** Chock-full of note-taking features, Notability does the work of several apps. In addition to offering word-processing capabilities, it can record live audio as you take notes; tap a word, and the app starts playing what you were saying as you typed that word. A handwriting mode lets you scribble notes instead of typing them. You can also annotate PDFs. Notability is not perfect—it's missing a few features here and there—but it comes pretty darn close to perfection.—**JOEL MATHIS**  
iPad | ; \$5; Ginger Labs







## No More Socks 2.0.2

**PRODUCTIVITY** The sleek No More Socks comes through where so many other gift-list managers in the App Store fall short by seamlessly integrating online shopping and sharing. Organizing your gift giving is a breeze with the help of sections like Events and People to help plan your presents for birthdays, anniversaries, and holidays throughout the year. The app lets you look up products on online retailers' websites—a handy way to compare prices and stay on budget. Best of all, a well-implemented sharing feature taps into the ideas of other No More Socks users to come up with some clever gift-giving notions.—**KARISSA BELL**  
iPhone | ; \$2; Food for Benjamin

## Evri 1.0.244

**NEWS** Evri hits both of the marks that distinguish successful news-reading apps—it's fun to look at and use, and it gives you the information you want. Evri pulls links from your Facebook and Twitter feeds and displays them as news stories in a layout that resembles a scrapbook of collected headlines. Each headline includes a sidebar listing two or three topics related to the story at hand for more in-depth coverage. You can star the topic so that you have a permanent feed of related news stories flowing to you within the app—something that news junkies will certainly appreciate.—**JOEL MATHIS**  
iPad | ; free; Evri



## More Reviews

See more iPhone, iPad, and iPod touch apps we've tested at iOS Central ([macworld.com/4164](http://macworld.com/4164)).

APPLICATION	DESCRIPTION	PRICE	RATING	FIND CODE*
<b>Disney Muppet Mail 1.0.1</b> Disney	card creator for iPhone	\$3		7593
<b>Monkey Bongo 1.0</b> Pangea Software	physics puzzle game	\$3		7594
<b>Number Guru 1.1.1</b> BeenVerified	phone number lookup utility	free		7595
<b>Schedule Planner Pro 1.3</b> Intersog	iPhone calendar app	\$6		7596
<b>Top Camera 3.4</b> Lucky Clan	all-in-one iPhone camera app	\$3		7597

\* In a browser's address field, typing in a find code after [macworld.com/](http://macworld.com/) directs you to a product's review or overview. For example, [macworld.com/7593](http://macworld.com/7593) takes you to our review of Disney Muppet Mail.

## ESSENTIAL APPS

### Movie-Inspired iOS Games

They began life on the silver screen, but these apps are now playing on an iOS device near you ([macworld.com/7598](http://macworld.com/7598)).

**Lego Harry Potter: Years 1-4** Relive the boy wizard's adventures in block format.

**Captain America: Sentinel of Liberty** Clever touch controls allow Cap to give Red Skull and his Hydra goons what-for.

**James Cameron's Avatar** Return to Pandora for an exciting 3-D adventure.



## OmniOutliner 1.1.3

**PRODUCTIVITY** OmniOutliner may seem rudimentary, but this outlining app is really quite deep. Instead of offering simple text-formatting options, the app encourages you to use styles, so each level is consistently, automatically styled. Adding more columns opens up even more possibilities, including status checkboxes, pop-up lists, dates, durations, and summary calculations.

—**JEFF CARLSON**

iPad | ; \$20; The Omni Group

## App Guide

AppGuide.com features our complete database of iOS app reviews.





# REVIEWS

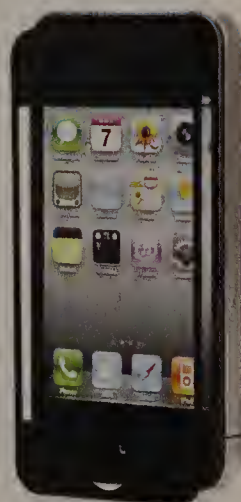
Accessories and Add-ons  
for Your iOS Devices

## HARDWARE

### Moshi iVisor AG for iPhone 4/4S ▶

Most protective and antiglare screen films are difficult to apply, or obscure the screen's clarity, or show fingerprints worse than a bare screen does—or all three. The iVisor AG, available with black or white borders, largely avoids these flaws. As an antiglare cover, it does affect clarity, but the effect is much more subtle than with other films. And because it adheres only to the edges of your device, the iVisor AG is easy to apply and remove.

★★★★½; \$25; Moshi; [macworld.com/7602](http://macworld.com/7602)



### SoundJaw ▶

This simple accessory clips onto the lower



right corner of the iPad 2 and redirects audio from the tablet's rear-mounted speaker toward the front. Audio is noticeably easier to hear with the SoundJaw attached, and it's even louder if the iPad is in landscape orientation and you're holding it with a hand in each corner; instead of your hand blocking the speaker, as it normally would, it acts as an extension of the SoundJaw.

★★★★½; \$20; SoundJaw, [www.soundjaw.com](http://www.soundjaw.com)

### Studio Neat Glif ▶

A must-have for iPhone photographers, the clever but simple Glif slips onto the bottom edge of a bare iPhone, giving the phone a standard 1/4-inch tripod mount. When you're not taking pictures or recording video, you can

flip the Glif around and use it as a stand for propping up your iPhone in portrait or landscape orientation. The company offers an optional stabilizer bar (the Serif) and even a key-ring loop (the Ligature) that you can use to keep the Glif handy.

★★★★; \$20; Studio Neat, [www.studioneat.com](http://www.studioneat.com)

### Twelve South PlugBug ▶

Ideal for MacBook-toting travelers who find themselves with limited power outlets, the PlugBug melds with your MacBook's power adapter—taking the place of the adapter's own cable or wall plug—to charge your MacBook and an

iOS device from a single outlet. You just supply the USB-to-dock-connector cable. The PlugBug can fast-charge an iPad, and you can even use the PlugBug on its own. It's a more elegant solution than plugging your iOS device into your MacBook's USB port and leaving the laptop awake all night.

★★★★; \$35; Twelve South; [macworld.com/7603](http://macworld.com/7603)



## iOS Devices: Current Lineup

PRODUCT	SPECS	RATING	PRICE <sup>A</sup>	DISPLAY	PERFORMANCE	FIND CODE <sup>B</sup>
iPad 2 <sup>C</sup>	16GB	Wi-Fi, ★★★★★½; 3G, ★★★★★½	Wi-Fi, \$499; 3G, \$629	9.7-inch color	Up to 10 hours on Wi-Fi; up to 9 hours on 3G	7030 Wi-Fi 3G
	32GB	Wi-Fi, ★★★★★½; 3G, ★★★★★½	Wi-Fi, \$599; 3G, \$729	9.7-inch color	Up to 10 hours on Wi-Fi; up to 9 hours on 3G	7032 Wi-Fi 3G
	64GB	Wi-Fi, ★★★★★½; 3G, ★★★★★½	Wi-Fi, \$699; 3G, \$829	9.7-inch color	Up to 10 hours on Wi-Fi; up to 9 hours on 3G	7034 Wi-Fi 3G
iPhone 3GS, 4, and 4S	8GB 3GS <sup>D</sup>	★★★★½	free	3.5-inch color	9 hours of Wi-Fi Internet; 5 hours of 3G talk time	6255
	8GB 4 <sup>E</sup>	★★★★	\$99	3.5-inch color (Retina)	10 hours of Wi-Fi Internet; 7 hours of 3G talk time	7516 GSM 7520 CDMA
	16GB 4S <sup>E</sup>	★★★★	\$199	3.5-inch color (Retina)	9 hours of Wi-Fi Internet; 8 hours of 3G talk time	7517
	32GB 4S <sup>E</sup>	★★★★	\$299	3.5-inch color (Retina)	9 hours of Wi-Fi Internet; 8 hours of 3G talk time	7518
	64GB 4S <sup>E</sup>	★★★★	\$399	3.5-inch color (Retina)	9 hours of Wi-Fi Internet; 8 hours of 3G talk time	7519
iPod Touch	8GB	★★★★½	\$199	3.5-inch color (Retina)	40 hours of music playback; 7 hours of video playback	6553
	32GB	★★★★½	\$299	3.5-inch color (Retina)	40 hours of music playback; 7 hours of video playback	6554
	64GB	★★★★½	\$399	3.5-inch color (Retina)	40 hours of music playback; 7 hours of video playback	6555

<sup>A</sup>All prices are Apple's prices. <sup>B</sup>In a browser's address field, typing in a find code after [macworld.com/](http://macworld.com/) takes you to a product's review or overview. <sup>C</sup>There are separate Wi-Fi + 3G iPad 2 models for AT&T's network and for Verizon's. <sup>D</sup>This phone is available only with an AT&T plan. <sup>E</sup>These models are available with an AT&T, Sprint, or Verizon plan.



## ACCESSORIES THAT WORK TOGETHER



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Pictured: (left) SURFACE Combo (right) SURFACE Reveal

[www.seidio.com/macworld](http://www.seidio.com/macworld)



W W W . S E I D I O . C O M





# iPAD ON THE JOB

CAN YOU  
REALLY  
DITCH YOUR  
LAPTOP FOR  
A TABLET?

**F**or almost two years now, I've started nearly every morning by reaching for my iPad. Before I even get out of bed, I check email, catch up on Twitter, read some comics, and surf some websites. However, when it's time for work, I put down the iPad and get out my Mac.

But as the iPad's hardware and software have developed since its launch in 2010, and especially since the recent release of iOS 5, I've been wondering whether that handoff is really necessary. Can the iPad replace a Mac for work? Or, more accurately, what *kinds* of work can it do now? What kinds of sacrifices are still required? Can you actually get things done with it?

Since I was the one who, not so long ago, wrote in these very pages that iOS 5 makes the iPad a better computer than ever before (*Spotlight*, January 2012), I volunteered to be the guinea pig for a little experiment. For three days, I vowed to go Mac-less, using my iPad instead of my laptop for everything. Here's how it went.

BY DAN MOREN | PHOTOGRAPHY BY PETER B. LANGER



DAY ONE

## THE PHYSICAL CHALLENGE

**F**or 20 years, I've been using a Mac; for the last five, I've used one almost daily to write. So that first morning, when I shambled into my home office and sat down at the

desk, it struck me just how different working with an iPad would be.

On a normal day, my job involves some combination of reading and writing email; using Web-based tools to

manage, develop, write, and edit stories; communicating with my colleagues via instant message and an online chat room; and reading RSS feeds and Twitter. Of course, I also spend a lot of time browsing the Web and listening to music. I also take care of bits of personal business, like emailing and chatting with friends and family, or paying bills.

I already do a lot of these things interchangeably on my Mac and my iPad. In fact, I find browsing my RSS feeds in Reeder on my iPad more pleasant than reading them on the Mac. Likewise, reading Twitter using Twitterrific feels more natural on the iPad than it does on my Mac. But using the iPad as my sole work machine would require some adjustments.

### SETTING UP

My initial instinct was to set up the iPad just like my Mac. So, using a \$25 Stump stand ([stumpstore.com](http://stumpstore.com)), I propped up the tablet on my desk, its little 10-inch display dwarfed by the 27-inch Cinema Display next to it.

I then paired my Apple Wireless Keyboard to the iPad via Bluetooth.

## THE KEYS TO BETTER IPAD TYPING

For serious typing on the iPad, you really need an external keyboard. While the iPad supports almost any Bluetooth keyboard, there are now dozens made specifically for use with the tablet. They tend to be optimized for portability and often include iPad-specific function keys (for doing things like returning to the home screen). Most are integrated into iPad cases, while others are stand-alone. Here's a quick look at the different types of iPad keyboards, along with our recommendations in each category.



### FOLIO-CASE KEYBOARDS

The most common type of iPad keyboard is integrated into a folio-style case. The all-in-one design is convenient, and these keyboards tend to be the thinnest, but they can also be cramped.

**Recommendations** Adonit Writer (\$90; [adonit.net](http://adonit.net)), ZaggFolio for iPad 2 (pictured above; \$100; [zagg.com](http://zagg.com))

**Honorable Mentions** Belkin Keyboard Folio (\$100; [belkin.com](http://belkin.com)), Kensington KeyFolio Pro Performance Keyboard Case (\$100; [kensington.com](http://kensington.com))

### CLAMSHELL KEYBOARDS

These cases place your iPad inside a hard-plastic clamshell case that unfolds like a laptop. They tend to be bulky. While the keys are usually small, they're often better quality than those on folio-case keyboards. The other major limitation of many models (though not our recommended one) is that they make it hard to use your iPad as a tablet when you're not typing text.

**Recommendation** ClamCase for iPad 2 (pictured below; \$149; [clamcase.com](http://clamcase.com))

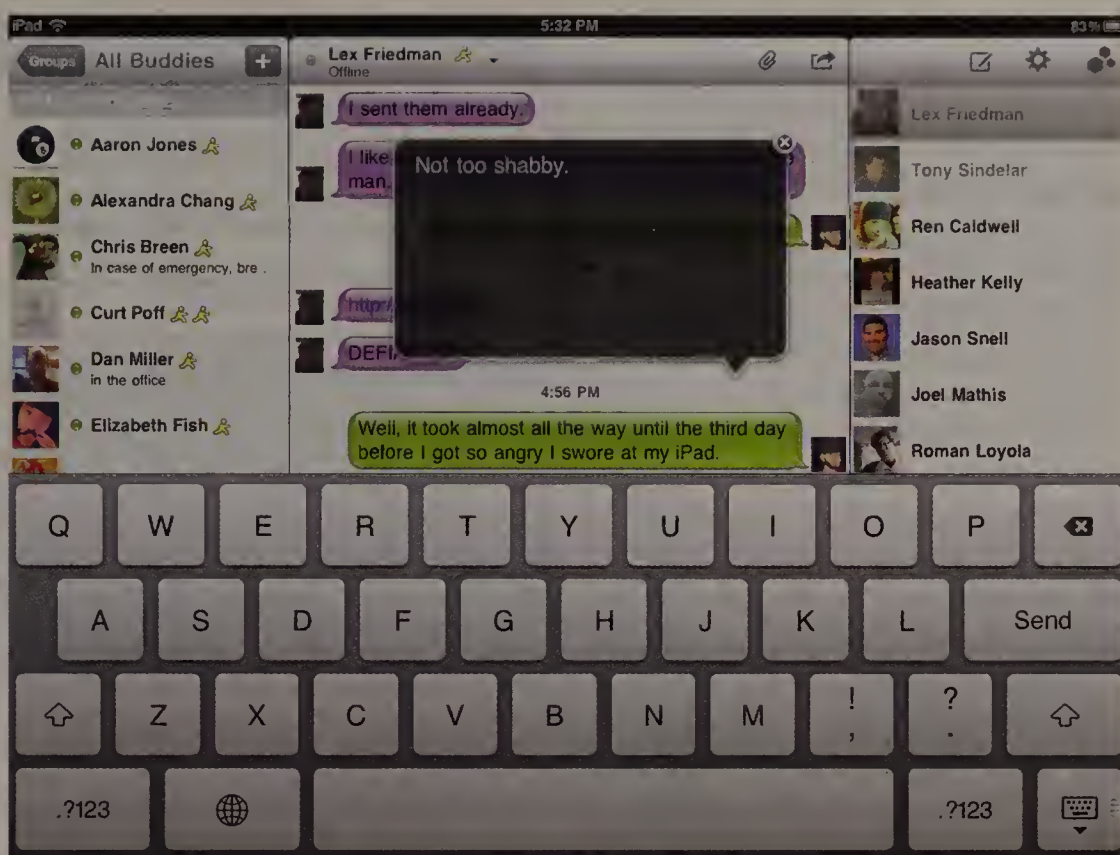




While I've become pretty adroit at typing on the iPad, I'm not nearly as fast on the touchscreen keyboard as I am on a real one. After years of touch typing (thanks, Mavis Beacon), it's weird to have to repeatedly glance at my fingers to make sure they're on the iPad's home row.

I started out this first day by responding to a few emails and checking in with colleagues. Because I work at home, much of my interaction with coworkers is conducted via IM and an online chat room. The first was no problem: I've used BeejiveIM (\$10; [macworld.com/7606](http://macworld.com/7606)) for a long time, and it works great.

The online chat room was trickier. While I could access the service I use (Campfire; [campfirenow.com](http://campfirenow.com)) through a Web browser, the Web interface lacks some of the features of the Mac app I use. I tested a couple of iPad clients: No Spoon Software's \$5 Sparks for iPad ([macworld.com/7607](http://macworld.com/7607)) and David Dollar's \$1 Pyre ([macworld.com/7608](http://macworld.com/7608)). While Sparks has a better interface, I prefer Pyre for a couple of minor features, including the ability to press the Return key on my Bluetooth keyboard to send a message.



**Keep in Touch** Office-communications tools like instant messaging (Beejive IM, pictured here) and an online chat room (Campfire) work just fine on the iPad.

Neither of them, however, supports push notifications (more on that later).

My morning catch-up done, it was time to check in on the *Macworld* website. To do that, I use two Web-based apps—a

content management system (CMS) and a story management tool. Both of them appeared more or less intact in the iPad's version of Safari. So it was time to get down to work and edit a story.

**Honorable Mention** Rocketfish Cap-sule for original iPad (\$100; [bestbuy.com](http://bestbuy.com))



## KEYBOARD SHELLS

Most of these integrate a keyboard into a rigid shell that protects the front or back of the iPad while it's in transit. When you're ready to type, you pop the iPad out of the shell, stick it in a slot above the keyboard, and start typing. The keys on these shells tend to be small, but decent. Most keyboard shells prop up your iPad at only one angle.

**Recommendation** Logitech Fold-Up Keyboard for iPad 2 (pictured left; \$130; [logitech.com](http://logitech.com))

**Honorable Mentions** Logitech Keyboard Case for iPad 2 (\$80), Targus Versavu Keyboard Case for iPad 2 (pictured right; \$100; [targus.com](http://targus.com))

## STAND-ALONE KEYBOARDS

Stand-alone keyboards have to be carried separately and usually require separate stands. But they have advantages: Most have full-size, high-quality keys in a standard layout. And when you don't need the keyboard, you can leave it behind.

**Recommendations** Logitech Tablet Keyboard (includes stand and keyboard case; \$70; [logitech.com](http://logitech.com)), Targus Bluetooth Wireless Keyboard for iPad (\$64; [targus.com](http://targus.com))

**Honorable Mention** Genius LuxePad 9000 Ultra-thin Bluetooth Keyboard for iPad (\$40; [geniusnet.com](http://geniusnet.com))

## APPLE'S WIRELESS KEYBOARD

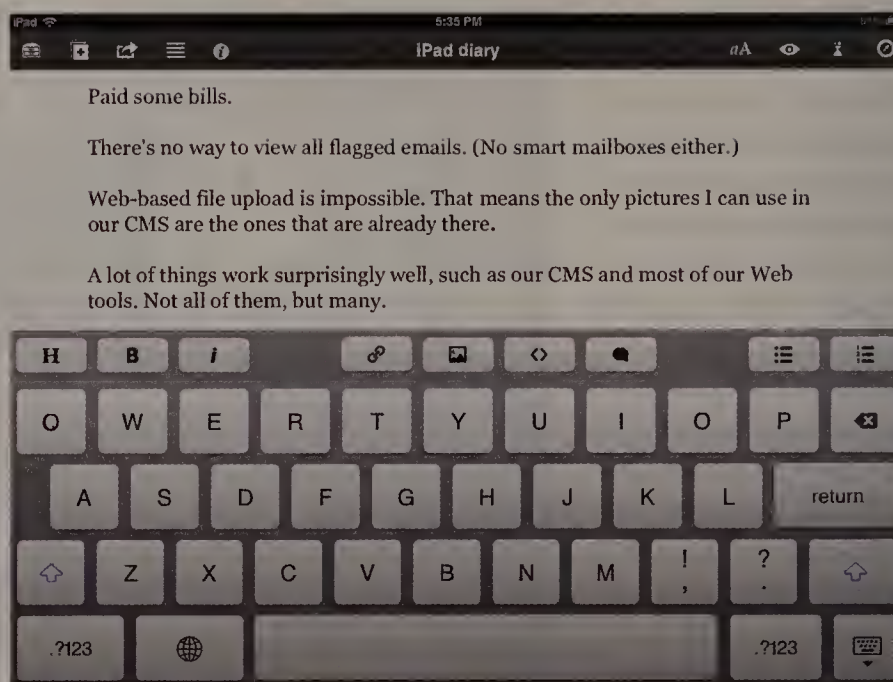
Although not specifically designed for the iPad, Apple's Wireless Keyboard (\$69; [store.apple.com](http://store.apple.com)) is a great fit for the company's tablet: It's compact, light, and sturdy, yet it offers a full-size keyboard with great keys; and many of its Mac-focused special-function keys perform similar duties when used with the iPad. However, as with stand-alone keyboards, if you go this route, you'll also need to bring along a stand, as well as a case for carrying the keyboard itself.—DAN FRANKS





I immediately ran into glitches. For example, the CMS tool allows me to edit in either raw HTML or a WYSIWYG view. The raw HTML view worked fine on the iPad, but the WYSIWYG editor didn't: I got just a blank white canvas. If you rely on Web apps for your work, they may or may not work on an iPad.

Fortunately, I had a fallback plan: I copied the raw HTML and pasted it into a text editor, where it would be easier to work with. Now, there are a ton of good text editors for the iPad—almost too many, really. The problem is that no single one has all of the features I want. I ended up using a combination of them, including Quang Anh Do's \$5 Writing Kit ([macworld.com/7612](http://macworld.com/7612)) and Yutaka Yagiura's \$3 Textforce ([macworld.com/7609](http://macworld.com/7609)). Writing Kit has a built-in Web browser, among other compelling features, and Textforce was the only app



I could find that would let me run a search and replace all command. Still, no iOS text editor came close to matching my weapon of choice on the

Mac, BBEdit (🔗; [macworld.com/a/163399](http://macworld.com/a/163399)).

I did find myself increasing the font size in both text editors. The text might

## Writing Tools

There is no shortage of text editors for the iPad. But none of them have all of the features you might want.

## PAGES VS. PAGES

The iOS version of Pages can handle the vast majority of documents you're likely to create and open on a day-to-day basis, particularly if those documents are text-centric or based on the templates that ship with Pages for the Mac. Pages is also really good at handling Microsoft Word documents. Still, you should understand what you *might* lose when you bounce documents between iOS and Mac OS.

### FEWER FONTS

Your Mac can use an unlimited number of fonts, while Pages on your iOS device only has 57. So any time you open a Word or Pages document on your iOS device, it tells you, "Your text might look different." Fortunately, although you can't see what the final version will look like, when you email the document to

someone who's using Pages on the Mac, the file displays the proper font as long as it's available on the Mac receiving the document. Unfortunately, any Word document you import into Pages for iOS and email back as a Word document retains the font used on your iOS device.

Pages for iOS is useless if you want to track changes. Whether you're using Word or Pages for the Mac, if change tracking is turned on for a document, Pages for iOS accepts any changes you've made in that document and turns off change tracking when you send the file to the Mac.

As you'd expect, Pages for iOS handles Pages for the Mac's page-layout documents pretty well—the documents transfer seamlessly between your iOS and Mac OS devices. But I was surprised to see how well Pages imported page-layout documents created using Word. The documents you create in Word maintain their original formatting, and objects stay where they were in the original. Exporting documents to Word, however, destroys their formatting.



## FLAT CHARTS

Many other features are hit or miss. None of the charts you can add on the iPad are 3D, and 3D charts in Pages or Word documents on the Mac get flattened upon import to Pages for iOS, and stay that way when you return them to the Mac. If your Pages for Mac document contains objects with shadows, those shadows transfer seamlessly; shadows in Word documents don't fare as well.

If you are creating charts from data in either Excel or Numbers spreadsheets, Pages for iOS retains the data from those tables and allows you to edit that data to make changes to the charts. But when those documents return to your Mac, the links to the original spreadsheet documents no longer exist. Yet if you add a merge field to a Pages document on your Mac, that field is retained on the iPad. If you created the merge using Address Book data, the links to the original data remain. If you created the merge using Numbers, the fields remain, but you need to use the Merge Inspector to relink your Pages document with your original Numbers spreadsheet.—JEFFERY BATTERSBY



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have been big enough when I was holding the iPad at arm's length, but it was too small when the iPad was propped on a desk. (I was thankful for the iPad's pinch-to-zoom feature, which let me quickly enlarge anything I couldn't see.) While the iPad's smaller screen size didn't really bug me, I found the angle of the display on the desk ungainly. I had to hunch over to see it clearly, which probably wasn't great for my neck.

Despite those shortcomings, I managed to edit my first piece and copy it back into the CMS without a hitch.

## AWKWARD GESTURES

When it was finally time for the last challenge of my first day—writing an end-of-the-day wrap-up piece—I again

**I found the angle of the display on the desk ungainly. I had to hunch over to see it clearly, which wasn't great for my neck.**

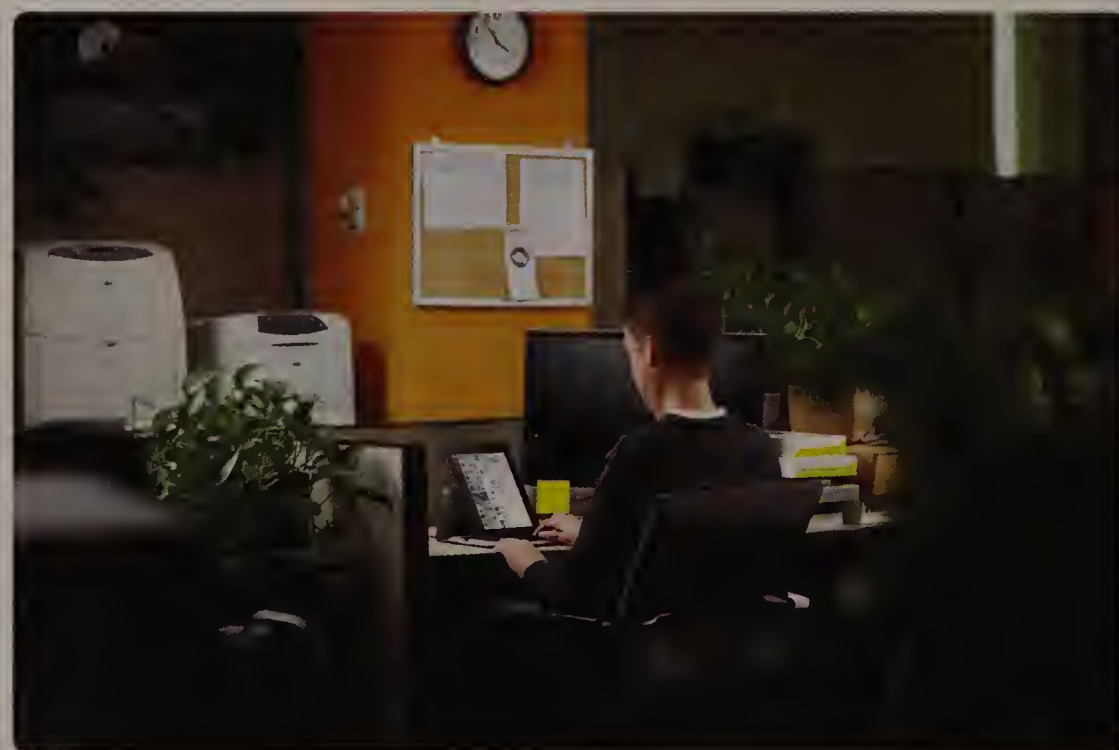
turned to Writing Kit. With the Bluetooth keyboard, writing on the iPad felt a little different from doing so on my Mac. The one big downside was that I needed to switch back and forth between the document and a webpage when I wanted to copy a link or other piece of text.

Though iOS 5's multitasking gestures (Settings ► General) let you quickly switch between apps using four-finger swipes, I didn't end up using them much. Because of the stand holding the iPad upright, performing gestures was awkward; I had to brace the iPad with

my other hand to keep it steady. Instead, I ended up double-clicking the iPad's Home button, which was easy to do with one hand.

That made it somewhat slow and laborious to switch between apps when the iPad was in the stand. I found myself longing for the quick efficiency of the Mac's ⌘-tab shortcut for switching applications.

When I was finished writing, I used Writing Kit's export feature to send the text to my clipboard as HTML. I pasted the finished story into the Web tool; with that, my day was done.



DAY TWO

## THE OBSTACLE COURSE

**W**hile day one had been an adjustment, things had gone pretty well; I hadn't needed to resort to my Mac at all, and I had finished my work on time. But, to be honest, I had been a bit cautious about

the things I'd attempted to do. So on day two, I pushed myself a little bit harder. Not surprisingly, in doing so I ran into more problems.

For example, on the morning of day two, I was assigned to manage the news

desk. That means keeping an eye on news, assigning stories, and letting readers know about new stories via Twitter and Facebook. But when I fired up Twitterrific on my iPad to tweet about that morning's stories, I ran into a wall.

On the Mac, I use an AppleScript to generate short links to my stories with a tracking tag; the iPad doesn't support AppleScript, so that wasn't going to fly on the iPad. Fortunately, my clever colleague Lex Friedman came through, adapting a JavaScript-based bookmarklet so that it would not only create the short URL, but even fire up my iPad's copy of Twitterrific and prepopulate a new tweet with the URL—making the process arguably even easier than it was on my Mac. But be warned: If your workflow depends on AppleScript, you'll need a workaround on the iPad.

Later, while editing a column, I needed to insert some boilerplate text at the end. I could have turned to an iOS app such as TextExpander, but I find that awkward. I opted instead for a low-tech solution: I kept a text file of my snippets in a text editor, and then copied and pasted them whenever necessary.

Later in the morning, though, I encountered a problem I couldn't circumvent. I wanted to upload a picture





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to accompany a story, but the iOS version of Safari wouldn't allow me to. (That functionality requires access to the file system, which iOS doesn't grant—even to Apple's own browser.) Instead, I was limited to searching through the database of already-uploaded images.

As part of my desk duty, I also had to prioritize assignments in the story management tool. Unfortunately, that tool uses a drag-and-drop interface that just doesn't work with a touch-based device. (The problem has to do with the JavaScript library the system is built on.) To my chagrin, I had to ask one of my colleagues to do the dragging and dropping for me.

## INTO THE CLOUD

I had set aside time during the afternoon of day two to work on a story I was cowriting with a colleague. Thanks to a number of Web services, such collaboration is easy these days. When on my Mac, I use a program called Cloud to quickly upload screenshots and send links to them to my colleagues (free; [getcloudapp.com](http://getcloudapp.com)). So I was glad to find that there are a few iOS Cloud clients; I picked up an excellent one called Stratus (\$2; [macworld.com/7610](http://macworld.com/7610)), which let me easily upload files and generate links to them. It turned



**Tweeting from the Tablet** You can update Twitter from the iPad, but you can't automate the process with AppleScript.

## NUMBERS VS. NUMBERS

There are a lot of differences between the Mac and iPad versions of Numbers, and many of them parallel the differences between the two versions of Pages (the absence of some fonts on the iPad, for example). But one difference is specific to Numbers: a marked disparity in functionality—as in the number of functions you can use in each.

Surprisingly, the iOS version of Numbers actually has *more* functions than its desktop counterpart does—266 versus 262, to be precise. What that means is that you get five additional functions (WEIBULL, POLYNOMIAL, SERIESSUM, UNION.RANGES, and INTERSECT.RANGES) in the iOS app, while you lose one (HYPERLINK).



## GOOD-BYE, HYPERLINK

The one removed function, HYPERLINK, does what you'd expect it to: It lets you enter a URL and link text to create clickable links to websites in your worksheets. I can only speculate as to why Apple removed this particular function; I'd guess that it's related to the iOS app's inability to distinguish a tap-to-activate link from a tap-to-activate cell. Any HYPERLINK functions on imported worksheets are removed and then replaced with the text you used for the link text.

The two additional range functions, UNION.RANGES and INTERSECT.RANGES, were added primarily to replace similar functions in Numbers for the Mac that used the space character to indicate table-spanning references. This is because you can't enter a space character in Numbers for iOS's function editor. So these two added functions aren't really new but, rather, are

designed to replace similar existing functionality.

POLYNOMIAL and SERIESSUM, on the other hand, do add new functionality to Numbers for iOS. In this case, the functionality is for math wizards; both new functions deal with polynomials; the SERIESSUM version supports arbitrary starting points and spacing of exponents, while the POLYNOMIAL function does not. (If you're a math wizard, that explanation probably means something to you; to me, it's more like reading Latin.)

The WEIBULL function also adds functionality—in this case, for the statistical wizards out there. When used, it returns (surprise!) the Weibull distribution. If you don't know what the Weibull distribution is, well—I had to look it up on Wikipedia myself.

## EXCEL EXCEPTION

The news is basically good, then, if you're moving between Numbers on the Mac and Numbers on your iOS devices. You really won't miss any crucial functions. But what if you're a Microsoft Excel user looking to get some work done on the road? In that case, the news is not so good.

Excel has 406 functions to Numbers' 266. Most of the widely used functions are available in both apps, but as you start getting more technical, Excel's depth comes to the fore. Excel has twice the number of Engineering functions, and 50 percent more Financial functions, for instance. There are double the number of Logical and Information functions, and a whopping 136 (to Numbers' 70) Statistical functions. There are even 50 percent more Text functions, and an entire class of functions (Database) that doesn't exist in Numbers.

In short, if you've got simple Excel worksheets that aren't overly technical, they'll probably translate well to the iOS version of Numbers. Beyond that, though, check your worksheets carefully to find any function cells that have been converted into values.

—ROB GRIFFITHS



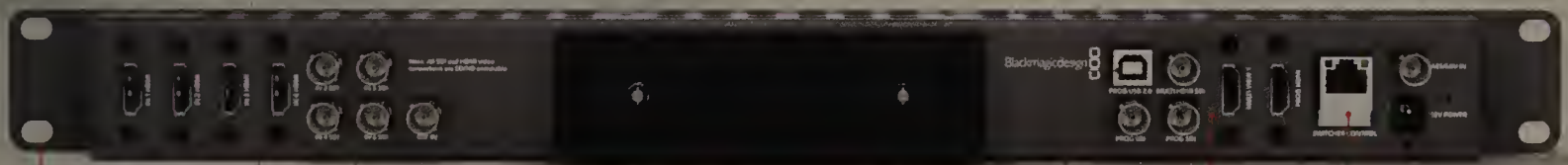
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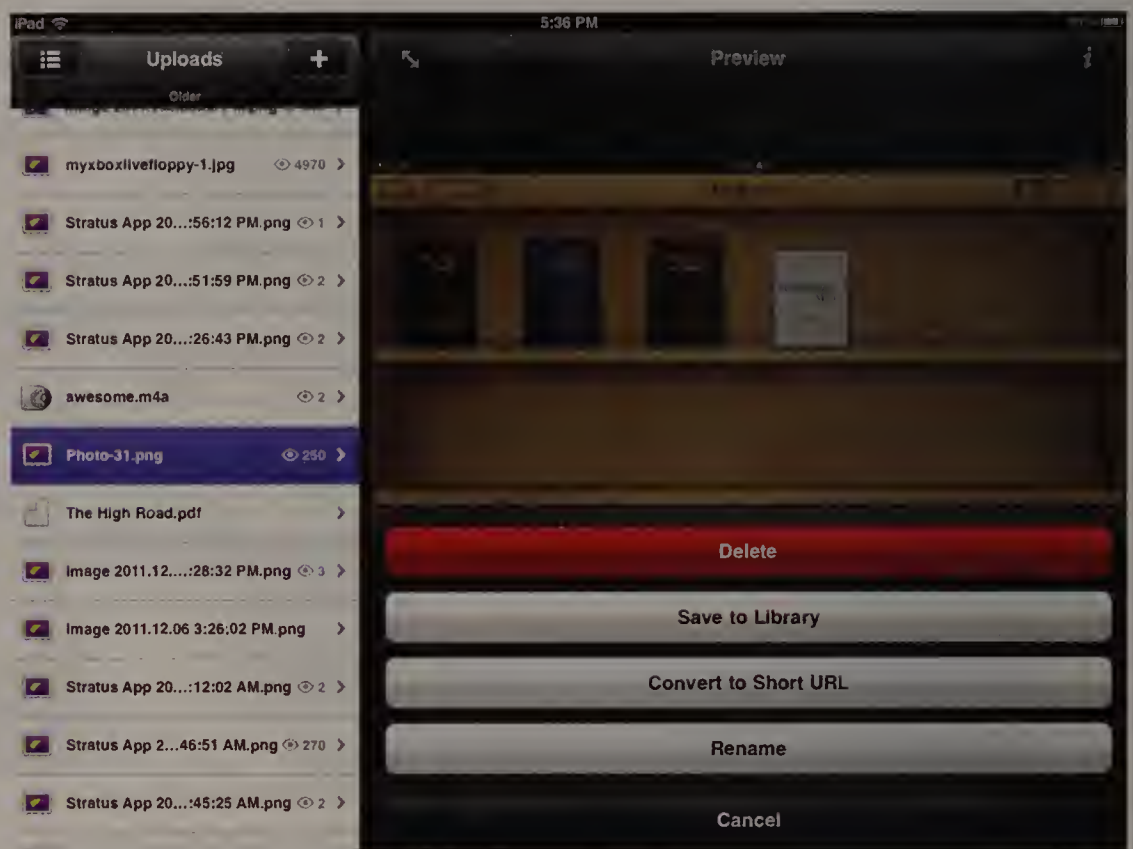
### iPad on the Job

out to be one of the handiest new apps I discovered during the entire experiment.

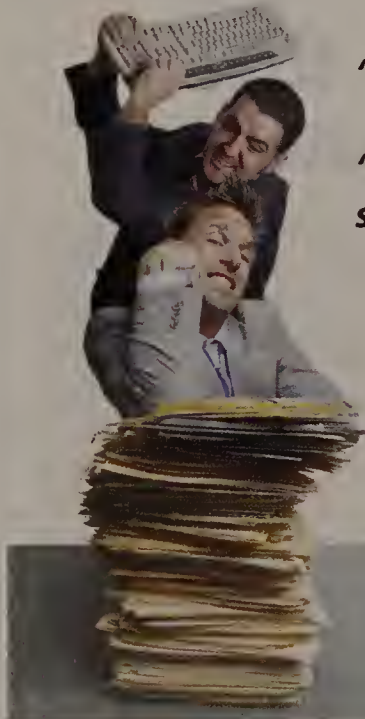
However, not all Web services treat the iPad like a full citizen. For that collaborative story, for example, my colleague and I turned to Google Docs, a tool we use all the time at *Macworld*. Unfortunately, I discovered that the Google Docs interface on the iPad leaves much to be desired.

For one thing, you're forced to use a slimmed-down mobile version of the site, which lacks many of the full version's features—most importantly, real-time collaboration. Instead, you must constantly tap a Refresh button to synchronize changes you've made with the copy in the cloud. When you're writing alongside a colleague or colleagues, that's an inconvenient extra step, to say the least.

I ended up tabling the effort until I got back to my Mac. It was one test that the iPad really and truly failed.



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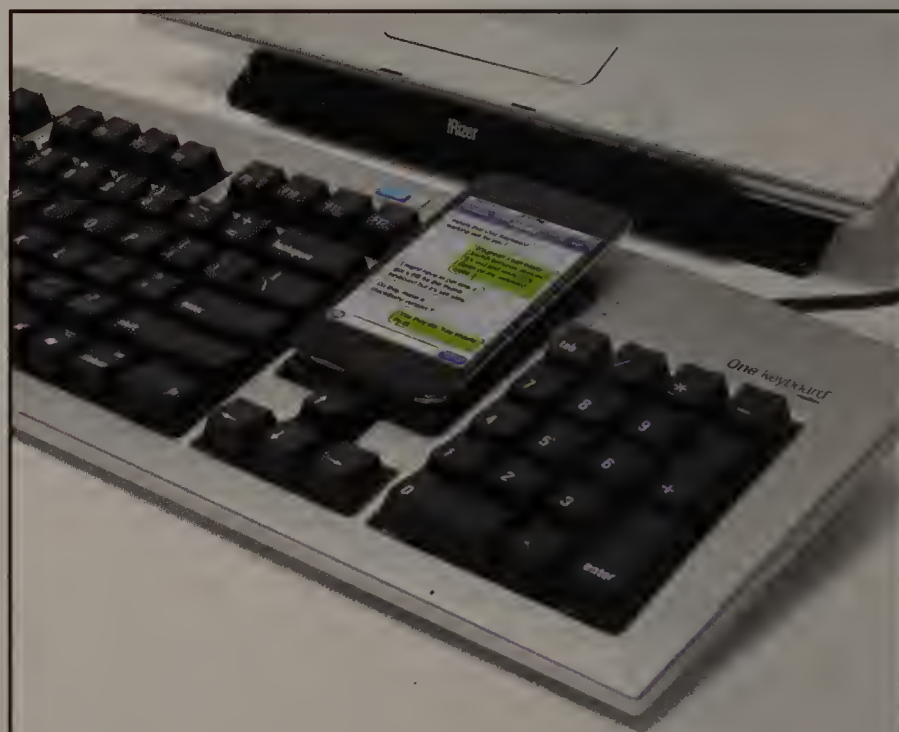
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## KEYNOTE VS. KEYNOTE

Keynote for iOS is missing many of the desktop version's more powerful presentation effects. But in some cases, if you insert those missing effects into presentations you build on your Mac, they'll still play properly on the iPad.

### SPECIAL EFFECTS

Keynote for iOS is missing the Mac version's repertoire of Action Builds (Move, Scale, Opacity, and Rotate); if you try to show a presentation that you built on your Mac on your iPhone or iPad, those actions won't work at all. Smart Builds won't work either.

You also need to be careful when choosing builds and slide transitions. While the iOS version of Keynote actually comes with more Build In and Build Out effects than its desktop counterpart, it's missing several important ones, including Shimmer and Fade Through Color.

As is the case with Pages, Keynote's font repertoire is far more limited on iOS than on the Mac; if the app finds a font it doesn't have in a presentation that you created on your Mac, it uses the nearest substitute—with unpredictable results. (For a list of the fonts it does support, see [support.apple.com/kb/HT4637](http://support.apple.com/kb/HT4637).) If you include voice-over commentaries or overlay soundtracks in a presentation on your Mac, Keynote for iOS deletes them on import. Similarly, 3D charts are converted to 2D when you transfer them to an iOS device.



### EDITING GRAPHICS

Object editing is limited on the iPad and iPhone: You can't fill shapes with gradients or pictures, nor can you mask images or delete background elements using desktop Keynote's Instant Alpha tool. And Keynote for iOS provides only a limited assortment of object shadows.

You also have fewer options for formatting tables and charts in iOS. For example, you have less control over tick marks and colors than you do on the Mac. Also, there's no way to merge or unmerge cells, or to define rules that format data conditionally. And Keynote '11 includes a broad range of bullet types and styles, while Keynote for iOS provides round bullets only. Finally, while you can set start and stop points, define poster frames, and specify looping options for imported QuickTime movies using Keynote for Mac, you can't do so on the iPad.—FRANKLIN N. TESSLER

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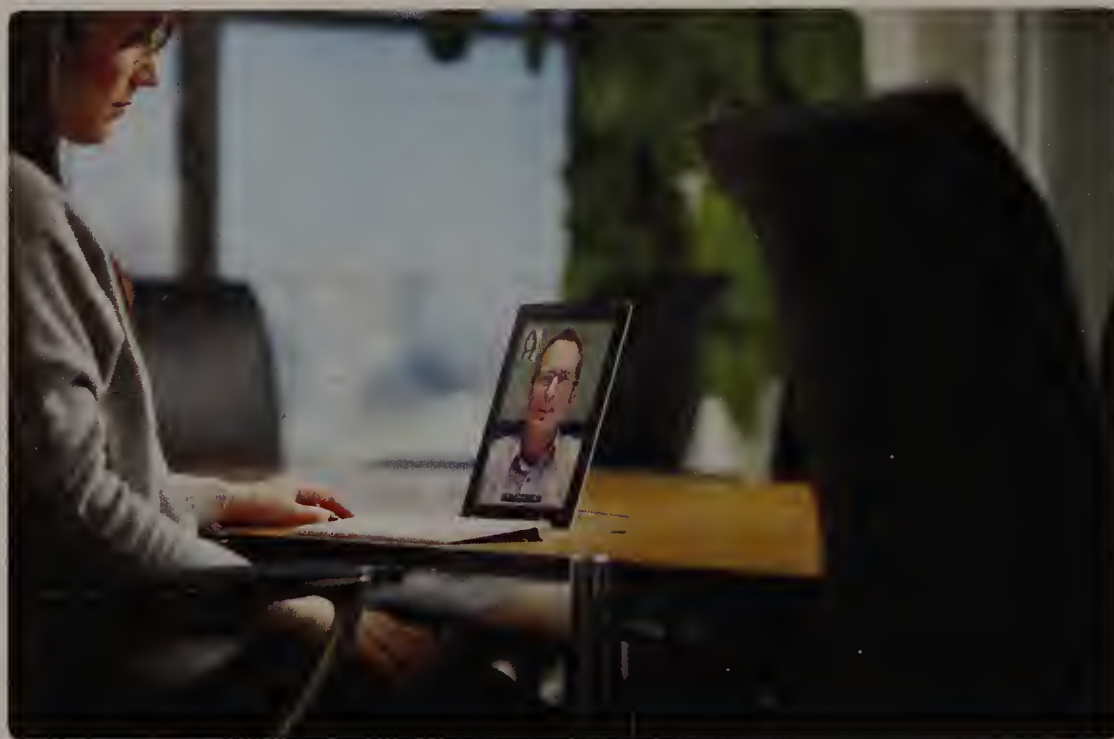
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## DAY THREE MENTAL CALISTHENICS

**A**fter a day or two of using the iPad, my brain seemed to have rewired itself. It's not that the iPad is better or worse than the Mac; it's just that different things are hard to do on each device.

The thing I found the hardest to get used to on the iPad was the lack of windows. On the Mac, I think nothing of arranging a Web browser and a text editor, or two text-editor windows, side by side and then referring to one while typing in the other. On the iPad, that's impossible, as I found on the morning of day three when I tried to start composing this story from my notes.

That third day also happened to coincide with the weekly staff videoconference meeting, conducted via Google+'s Hangout feature ([plus.google.com](http://plus.google.com)). Using the iPad for this was frustrating for a couple of reasons: First, the Google+ app doesn't have a native iPad interface and must be used in the 2X mode. Second, there's no way to click on the URL for a hangout and have it load the Google+ app; I had to have a colleague invite me through Google+ itself.

After the meeting, I spent some time proofreading the PDFs of an ebook *Macworld* is preparing. While Mac OS X has Preview, iOS has no PDF reading

capabilities built in (unless you're viewing a PDF in Safari or Mail). So I turned to one of my favorite apps, Good.iWare's \$5 GoodReader (★★★★½; [macworld.com/7611](http://macworld.com/7611)); not only can it handle PDFs with aplomb, but it downloaded the file from a URL and unzipped it.

However, the couple of hours I spent proofing those chapters adversely affected my iPad's battery life. For the first two days of my experiment, the battery held up spectacularly; by 5 p.m. each day, it had dropped to about 18 percent of capacity. By the end of work on day three, however, it had dwindled to just a few percent, and I was forced to plug it in to finish up. That's still better than my MacBook Air, which can run from full to no charge in an afternoon.

### ALMOST MAC-LIKE

As I wrote my wrap-up column at the end of day three, I found myself thinking again about how well the iPad works with an external keyboard. Not only can you enter text, but you can use familiar keyboard shortcuts to do things like copying and pasting, undoing and redoing, and moving the cursor and selecting text.



**Google+ Hangout** Without a native iPad app, using Google's venue for online meetings can be a frustrating experience.



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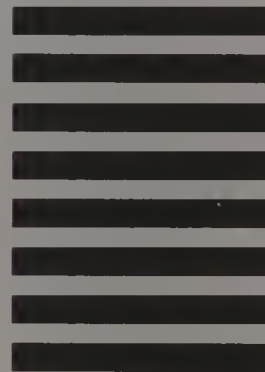
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That last one in particular is a godsend. If you've spent any time trying to select text on an iPad, you've probably spent time wrestling with that magnifying glass interface. But savvy Mac keyboardists who are familiar with all the tricks of the ⌘, Option, Shift, and arrow keys will find themselves breezing along as if they were sitting in front of their computer.

In the end, though, the iPad's keyboard integration works just well enough to make you wish it worked better. There are a lot of places where you'd think shortcuts would work, but they don't. For example, there's no way to get back to the home screen or navigate between apps from the keyboard. And even with iOS 5's addition of rich text in Mail, you can't use the familiar keyboard shortcuts to apply bold, italics, or underlining to your text. And in some places, the iPad's keyboard support is wildly inconsistent. For example, when autocompleting an email address, you can use the arrow keys to scroll through the list of suggestions and the Return key to select one. But try to do the same with a list of autocomplete URLs in Safari, and you get bubbles. Too often, you have to go back to the touchscreen.

**I felt like cursing my iPad only once, when Safari reloaded a tab in which I had been writing, erasing all of my progress.**

Spend a couple hours—or heck, 20 minutes—with an iPad, and you'll see pretty quickly that the idea of a touchscreen Mac doesn't make much sense. Having to constantly raise your hands from the keyboard to interact with the screen just feels *wrong*. It's not simply the unfamiliarity of it: The effort of lifting your arm—instead of, say, shifting it sideways to a mouse or trackpad—is significant. And there's that problem I ran into on day one, needing two hands to perform most on-screen gestures. This isn't a slight to the iPad, though—its interface feels perfectly natural when you use it in your lap or hold it in your hands. It's an issue of forcing an iPad-shaped peg into a Mac-shaped hole.



Using the iPad as your primary machine forces you to adjust the way you think about and prioritize what you're doing. For example, on the afternoon of that third day, I realized I had neglected the Campfire room for several hours. Unlike the Mac, the iPad gives you no way to keep an eye on a chat room window. None of the Campfire clients I tried had notifications, so if they weren't running in the foreground, I had no way to know what was going on.

That isn't always a bad thing, though. For example, it made me concentrate on the tasks at hand, instead of being constantly distracted by Twitter, IM, or my RSS feed. But some tasks do occasionally get lost in the shuffle.

Strangely, writing on the iPad felt the most foreign of any of my work tasks. As counterintuitive as it might sound, I'm used to having a lot of things going on while I write. That's one of the reasons I like to work in cafés: The background noise forces me to focus. When I'm presented with nothing but a blank page, I find it harder to concentrate; my mind wanders; I wonder what's going on behind the scenes that I'm not paying attention to.

**Incomplete Autocomplete**  
In some iOS apps, you can use the keyboard to scroll through a list of autocomplete suggestions; in Safari, though, that doesn't work.

## AFTERWORD

By the end of my three-day experiment, I felt as though I'd gotten the hang of working on my iPad. I felt like cursing it only once, when Safari reloaded a tab in which I'd been writing, erasing all of my progress. And there were Mac things that I definitely *hadn't* missed: the spinning beachball, for example. The iPad's snappiness rivaled that of my MacBook Air, and I rarely felt as though I was waiting for it to catch up to me.

I had a definite sense that this might be the future of working on a computer. I spent little if any time managing files or saving my data (just as in Mac OS X Lion). And thanks to Dropbox and iCloud, I didn't worry at all about lost data. That's perhaps the biggest change in switching from a Mac to the iPad: The technology becomes almost transparent. You are simply writing, or reading, or browsing. It's all about the task itself, while the technology you're using fades into the background.

Is the iPad ready to be your only computer? It's not quite ready to be mine, but I doubt that'll be the case forever. I saw enough in these few days to realize that the iPad will soon be ready for whatever I throw its way. That will happen in part because the iPad will adapt and change. But so will we.

**Dan Moren** is a senior associate editor for *Macworld*.



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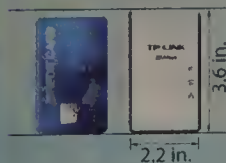
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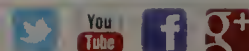
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# THE OTHER OS

THE BEST WAY TO RUN WINDOWS ON YOUR MAC

**BY ROB GRIFFITHS**

ILLUSTRATIONS BY SAM BREWSTER

**D**espite Mac OS X's recent run of success, Windows is still the dominant operating system platform, especially in businesses. As such, there may be times when you need to run Windows: Perhaps there's an application your company uses that's only available for Windows, or you're a Web developer and you need to test your sites in a native Windows Web browser. There's also a chance that you enjoy certain Windows games that aren't available for OS X. Whatever the reason, your Mac can provide an excellent solution to the problem. There are, in fact, a number of ways to run Windows on your Mac.



If you need to run just a single Windows application, you could use CodeWeavers' \$50 CrossOver (◆◆◆; [macworld.com/a/143037](http://macworld.com/a/143037)), which runs Windows applications without requiring installation of the Windows OS on your Mac.

If, on the other hand, you need a full-fledged Windows installation, you have several other options. You could use Apple's own Boot Camp, which lets you install Windows on a separate partition of your hard drive. Or you could install one of three third-party virtualization programs: Parallels Desktop (◆◆◆◆; [macworld.com/a/163659](http://macworld.com/a/163659)), VMware Fusion (◆◆◆◆; [macworld.com/a/163440](http://macworld.com/a/163440)), or VirtualBox (◆◆◆; [macworld.com/a/145879](http://macworld.com/a/145879)), each of which lets you run Windows (and other operating systems) as if it were just another OS X application.

Of those four options, Boot Camp gives you the fastest Windows experience. But to use it, you have to reboot your Mac into Windows, and you can't use your Mac as a Mac while it's booted in Windows. And though VirtualBox is free, it's complex—downright geeky at times—to set up, and it lacks the bells and whistles that you get with Fusion and Parallels. This leaves those last two as your best options if you want to run



Windows programs alongside your Mac applications.

So how do you decide between Fusion and Parallels? We've looked at that question repeatedly over the years. In the past, I've been able to find reasonably

clear distinctions between the two programs; depending on what you needed to do, one or the other would be the right choice. This time out, however, the differences aren't so clear—or, rather, they're much, much smaller.

## VMWARE FUSION 4

Version 4 of VMware's virtualization app has added support for Lion (Mac OS X 10.7) and the ability to create OS X Lion virtual machines, reduced the consumption of system resources, redesigned the settings window, and more.

You'll notice one change immediately: Fusion no longer requires an installer. Instead, you drag and drop the application into whatever folder you wish, and then launch it. Fusion's license allows unlimited installation on as many Macs as you use.

Installing Windows within Fusion 4 is also straightforward: Installing Windows 7 Professional on a MacBook Pro took me just under 15 minutes. Unlike Parallels Desktop 7, Fusion 4 doesn't allow you to

purchase a copy of Windows from within the program itself.

Fusion has been specifically tweaked for Lion. For example, when you're running Windows in Fusion's Unity mode (in which Windows apps appear as individual programs, just like your Mac ones), open Windows apps appear separately in Mission Control. You can also add Windows programs to Launchpad.

I had no trouble running a normal suite of Windows office applications (including Microsoft Office, Internet Explorer, and Adobe Acrobat) with Fusion 4. The applications loaded quickly, and everything worked as expected. Game performance was decent. Most older titles ran just fine,

more recent ones ran reasonably well, but graphically intensive new games ran either very poorly or not at all.

Hardware peripherals functioned just fine, too: Fusion offered me the choice of using them with either the virtual machine or the host Mac. The iSight camera worked fine in Windows.

Installing OS X Lion itself in a virtual machine worked well, though with some limitations. I could copy and paste text, but not images, between the virtual and real OS X environments. An iChat video chat didn't work, while chatting via FaceTime and Skype did.

One of Fusion 4's nicer features is its ability to create *snapshots*—copies of a



Both Fusion and Parallels perform so well that—with a couple of exceptions, noted below—picking one over the other for a given task is basically a coin toss. That means the choice comes down to more subjective criteria: Each program fits into your workflow in a slightly different way. So let me try to delineate those differences, slight though they may be, and give you a sense of how the two programs compare and operate.

Note that the majority of this comparison is focused on running Windows on a Mac. That's what most people use these programs for. You can also use them to run Linux, various flavors of Unix, and other, more exotic OSs, but that's not the focus of this article.

## PURCHASE AND LICENSE

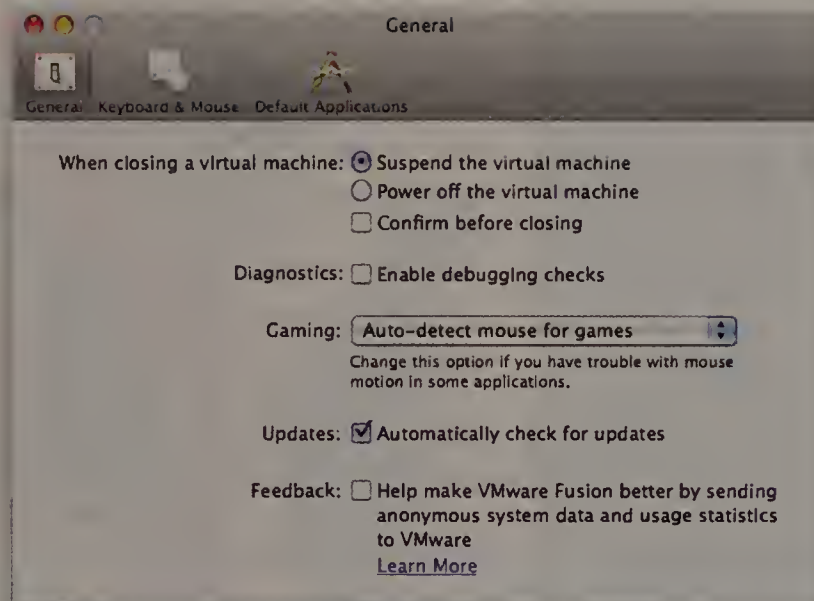
For new and existing customers, Fusion normally costs \$80. Parallels also costs \$80 for new customers, but if you already own it, it's a \$50 upgrade. The two vendors often offer special promotional pricing; for example, if you currently use Fusion, Parallels will let you switch for \$30. Remember that you'll also have to buy a copy of Windows to use either program.

However, there's a big hidden cost in the pricing, and that's the software

virtual machine's current state, including open apps and windows. You can create a virtual machine running OS X 10.7, save a snapshot of it, and then install OS X 10.7.1 and save a snapshot of that, too. You can then activate a snapshot anytime you wish.

Current Fusion 3 users should keep an eye out for promotional pricing and then upgrade to get Fusion 4's new features. New users or switchers from Parallels will find that Fusion 4 works well for typical Windows use, and it's a great solution for experimenting with other operating systems. About the only area in which it falls short is virtualized gaming and other tasks that require the fastest accelerated 3D graphics available.

💰💰💰 \$80; VMware, [www.vmware.com](http://www.vmware.com)



license. Fusion's license—for non-business users—allows installation and use on any Macs that you own or control. Parallels, on the other hand, requires one license per machine, and uses activation to check those serial numbers. So if you want to run your virtualization program on more than one Mac, Fusion costs less—potentially much less.

**ADVANTAGE: Fusion.**

## INSTALLATION AND GENERAL OPERATION

Installing Fusion 4 is surprisingly simple—just drag and drop the program to any directory you wish. There's no

installer to run, and you can store the program anywhere. When you first launch Fusion, it asks for your administrative password and activates its extensions. These extensions aren't permanently installed in some low-level system folder where you'll never find them; instead, they remain within the Fusion application bundle and automatically get activated on subsequent launches without requiring your password again. More important, they're deactivated when you quit Fusion.

In fact, when you quit Fusion, unless you choose to leave the Windows applications item in your Mac's menu



**VIRTUAL LION** Although you can install OS X Lion as a virtual machine in Fusion 4, it does have its limitations.

## FUSION SETTINGS

Fusion's settings window sits in a fixed position on top of the virtual machine's screen, which appears dimmed behind it.



## 10 REASONS TO RUN WINDOWS ON YOUR MAC

### 1. GAMES

A huge number of games are available for Windows but not OS X. Great recent examples include *Bastion*, *Shogun 2: Total War*, and *Deus Ex: Human Revolution*.

### 2. CORPORATE IT

You may need Windows to connect to your company's network or to run its proprietary apps.

### 3. WINDOWS PHONE

If you happen to be using Windows Phone 7, the Zune software for Windows is the best way to manage it.

### 4. MICROSOFT OFFICE PROFESSIONAL

You could use the native Mac suite. But then you'd get no access to SharePoint, Access, OneNote, and Publisher.

### 5. INTERNET EXPLORER

I'm not saying IE is better than Safari or any other Mac browser. But sometimes, on some sites, you just need IE.

### 6. WINDOWS DEV TOOLS

If you develop for Windows, you'll want to run Windows Visual Studio.

### 7. WINDOWS LIVE

There are some great applications on Windows Live, including SkyDrive.

### 8. ADOBE FLASH

Flash is buggier and slower on the Mac than on Windows.

### 9. BLU-RAY MOVIES

Get an external Blu-ray drive, install Windows, and run a playback app such as PowerDVD or TotalMedia Theatre.

### 10. MICROSOFT VISIO

Visio is a great program for doing quick flowcharts, lightweight CAD, and anything that needs diagramming.—LOYD CASE

bar, absolutely nothing related to Fusion is left running. This setup also makes uninstalling a snap—just drag the app to the Trash, and you're done. Fusion is a very complex program, and making it as easy to install and uninstall as any simple utility is a major engineering accomplishment.

Parallels is installed via an installer—its extensions go in the System folder and are always present, even when Parallels isn't running. In addition, two background processes continue to run after you quit Parallels. These processes don't take much RAM or CPU power (20MB and 0.3 percent, respectively, on a Core i7 MacBook Pro), but they're there.

**ADVANTAGE: Fusion.**

### PREFERENCES AND VIRTUAL MACHINE SETTINGS

Both programs offer a lot of options in the Preferences menu, though Parallels provides more and consequently has a more complicated Preferences screen. Both are reasonably well organized and do a decent job of categorizing their various settings.

One thing I don't like about Parallels is that the company automatically enrolls you in its Customer Experience Program, which collects anonymous usage data; you have to opt out of this program by disabling it in the Advanced section of the Preferences menu. Fusion offers a similar program, but for Fusion's version you opt *in*, not out.

The two programs take a different approach to changing a virtual machine's settings. Parallels uses a floating window that's independent of the virtual machine you're configuring; Fusion dims the virtual machine, and presents a fixed window on top of it in the center of the screen. The floating window in Parallels lets you easily toggle from the settings to the

virtual machine, but you can also lose track of the settings window if you click another window to the foreground.

Fusion's settings window mimics that of System Preferences, while Parallels uses a tabs-and-lists layout. Some users may prefer one approach over the other, but I find they both work reasonably well.

**ADVANTAGE: Neither (or both).**

### PERFORMANCE

As noted, both Parallels and Fusion perform really well with Windows 7. Macworld Lab ran both programs through *PCWorld's* WorldBench 6 benchmark suite (using Windows 7), and the results were close: In overall score, Fusion beat out Parallels by about 4 percent (118 to 113). In individual results, some tests had Fusion faster, some had Parallels faster, and some were too close to call. If you distill all those numbers to their essence, what you have are two fast and capable virtualization solutions for general Windows use.

That said, for particular users in some businesses, certain applications may perform better in either Parallels or Fusion. To check for any potential speed differences in your particular scenario, both companies offer free demos, and it would be well worth your time to install each program and test for yourself. Overall, though, when it comes to performance, I'd call it a tie.

**ADVANTAGE: Neither (or both).**

### UPDATES

Programs of this complexity require updating—there's just so much going on that there will always be another feature to add or bug to fix. The two companies handle updates very differently, however.

Parallels pushes out updates rapidly, so users get the latest features and fixes as quickly as possible. Fusion has a slower update pace. Both programs have in-app updating now, so that portion of the routine has become simpler than it was in the past.

So which update methodology is better, frequent small updates or





# PARALLELS DESKTOP 7

The latest release of Parallels Desktop has an updated interface, along with a slew of performance improvements and new features, including a simplified configuration screen and support for Lion's full-screen mode.

Parallels installs quickly and easily. You can put it wherever you like; it doesn't have to be in your Applications folder. You must activate Parallels Desktop the first time you run it; the program currently requires one license per computer.

After activating, a wizard helps you install Windows; you can even purchase the OS (Home Premium, Professional, or Ultimate versions) from within Parallels

itself. You can also install Mac OS X Lion from the wizard or download other OSs from the Parallels Convenience Store.

During setup, Parallels asks whether you want to set up the virtual machine like a Mac or like a PC. If you choose the Mac option, you get a fully integrated environment, with easy sharing between the virtual machine and OS X. Choose Windows and you get a more isolated virtual machine. (You can change those settings later.)

Once I had set everything up, I ran Office 2010, Adobe Acrobat, and a number of other common applications without any trouble. I also tested a number of games and was amazed at their performance. Parallels' support for USB peripherals is quite good, too.

Like Fusion 4, Parallels 7 allows you to install OS X Lion itself as a virtual machine (as long as you're running OS X Lion as your root operating system). I did so, and it worked as expected, with a few caveats: I couldn't copy and paste text or images between the virtual machine and the host OS. Also, video chats in iChat had problems with crashing, though FaceTime worked fine. But in general uses—such as testing software safely or testing the



**MAC OR PC?** At setup, choose how Windows apps appear. You can change this later.

system as a user without any login items—running OS X Lion in a virtual machine works great.

In sum, Parallels 7 is a fast, stable, and highly customizable way to run Windows on a Mac. If you're a current Parallels 6 user, upgrading to Parallels 7—especially if you're running Lion—should be on your to-do list. If you're new to the virtualization market, or contemplating switching from another program, you should download a free trial from Parallels and see how well it fits into your workflow.

★★★★; \$80; Parallels, [www.parallels.com](http://www.parallels.com)



**VIRTUAL MACHINE WIZARD** Parallels walks you through setting up a VM.



occasional larger updates? That's really a matter of personal preference: Some people like knowing that they've always got the latest bug fixes and features, while others may prefer longer periods between required updates. The important thing, though, is that both companies do actively update their products. Again, I'd call it a tie.

**ADVANTAGE: Neither (or both).**

## VIRTUALIZATION EXPLORER

If you'd like to use the power of your virtualization application to look beyond Windows' borders, Fusion offers a far broader universe of alternatives.

Though both programs support *virtual appliances*—downloadable, ready-to-use combinations of an operating system plus applications—VMware's library ([www.vmware.com/appliances/directory](http://www.vmware.com/appliances/directory)) is huge, with over 1900 appliances available.

Parallels' library ([www.parallels.com/ptn/download/va](http://www.parallels.com/ptn/download/va)), on the other hand, contains only 98 entries. So if exploring the wild blue yonder of other operating systems, email appliances, and various other virtual solutions is your cup of tea, Fusion is the way to go. (Parallels can, in fact, use VMware's appliances, but they must first be converted to Parallels' format. To me, though, it seems a bit

unfair to give Parallels any credit for riding on VMware's coattails.)

**ADVANTAGE: Fusion.**

## WINDOWED WINDOWS

Both programs have an *integration mode* (Fusion calls it Unity, while in Parallels it's called Coherence). In either mode, Windows programs appear side by side with Mac ones in the OS X graphical user interface. But there's a subtle difference in the way Parallels and Fusion implement this mode.

While it appears that each Windows app gets its own window, when you're using Parallels, OS X actually treats them all as one. You can see this when

# THE MANY FLAVORS OF WINDOWS

Whether you choose Parallels or VMware's Fusion to run Windows on your Mac, you still have to choose what flavor of Windows to run. Let's walk through your options.

## WINDOWS VISTA

There is no reason to install Vista. If you're thinking of doing so because you happen to have a free copy lying around, don't—it's worth a hundred bucks to get Windows 7. Trust me on this.

## WINDOWS XP

Even though Windows 7 has been gaining traction in the corporate world, many companies still use XP. If yours is one of those companies, you should install Windows XP Professional; the Home edition isn't compatible with some business networks.

Also, if you do have to install Windows XP, get the 32-bit version. The Windows XP 64-bit edition was a bit of an experiment for Microsoft, and it lacks support for some device drivers. And if you need to run XP because of your company's IT policy, there's a good chance your company may still be running old 16-bit applications—which won't work on the 64-bit XP version.

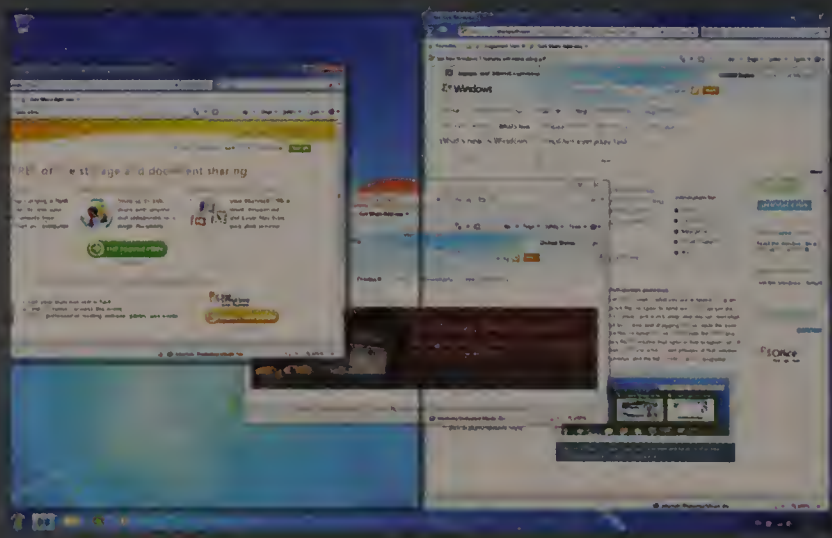
## WINDOWS 7

If the main reason you need Windows is to connect to corporate networks, your company is already using Windows 7 Enterprise edition, and you don't need a copy of your own, see if you can score a DVD of the Enterprise edition from your IT department. It handles standard domain names just fine.

If you need a copy of your own, then you want Windows 7 Professional or Ultimate. Those versions connect to corporate domain networks easily; Ultimate also has extras like Windows Media Center. The nonupgrade version of Ultimate lists for \$320, but is widely available for much less; Professional lists for \$300, but is also available at substantial discounts. Avoid the Home edition unless you really are using Windows only at home.

You'll want to install the 64-bit edition—by far the most popular version of Windows 7. Most corporate IT departments that have rolled out Windows 7 are using the 64-bit version.

If you get Windows 7 Professional or Ultimate, you can download Windows XP Mode ([www.microsoft.com/windows/virtual-pc/download.aspx](http://www.microsoft.com/windows/virtual-pc/download.aspx))—a virtual machine version of Windows XP Professional 32-bit. That enables you to still use legacy XP apps and connect to corporate networks running Windows XP. —LOYD CASE







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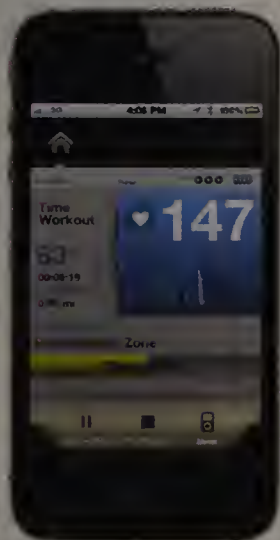
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you activate Mission Control: Regardless of how many Windows programs you're running, they're all lumped together as one Parallels Desktop entry.

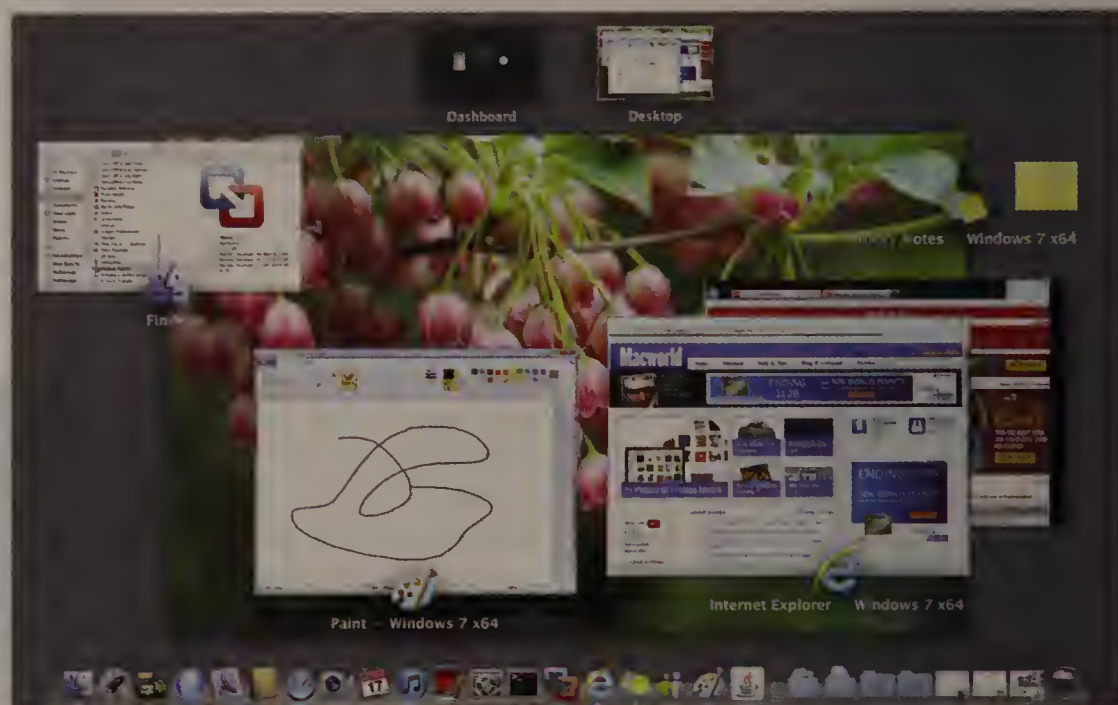
If you're using Fusion, on the other hand, the window for each Windows application really is an independent entity. That means when you're using Mission Control with Fusion, each Windows application gets its own separate entry, grouped with its open windows.

If you prefer to think of your virtual machine as a single entity, you'll probably prefer Parallels' behavior in Coherence mode. But if you're using the integrated mode, it makes more sense to treat the windows as Fusion does, so that each application is a distinct entity, with its own windows, in OS X.

**ADVANTAGE: Fusion.**

## VIRTUAL GAMING

If you want to run Windows to play games you can't play on your Mac, Parallels 7 is the right choice. In my testing, it handily outperformed Fusion, especially when I was trying to run newer games. Parallels 7 supports up to 1GB of VRAM, versus only 256MB in Fusion, which is one distinguishing factor. Parallels 7 also does a better job of supporting DirectX; one game I tried looked fine in Parallels using DirectX,



**MISSION CONTROL, TAKE ONE** With VMware Fusion, individual Windows apps appear as separate programs, making them feel much more like native OS X apps.

but awful in Fusion—switching to OpenGL in Fusion solved that problem, but not all games offer this option.

Overall, Parallels' 3D engine seems to work much better for games in Windows than does Fusion's engine. So if Windows gaming is your thing, Parallels is your product.

On a related topic, only Parallels includes accelerated 3D graphics in Linux virtual machines, so if you need that, you need to use Parallels.

**ADVANTAGE: Parallels.**

## AND THE WINNER IS ...

Running Windows on your Mac may not be something you *want* to do, but rather something you *have* to do. The good news is that there are two excellent programs to help you with the task. Choosing which one to use may be the most complicated part of the process; once you've chosen a program, getting Windows up and running in either one is surprisingly fast and easy.

So which virtualization solution should you purchase? In my comparison, Fusion comes out ahead (four wins, one loss, and three ties). But you may care more about some points of comparison than others. For that reason, I suggest you download each program's free trial version and see how each one works in your specific environment and for your specific needs. Both programs are excellent; you won't be disappointed by either one's performance. Your selection will come down to your feelings on these subjective items—and for that, nothing beats spending some hands-on time to see what really works best for you.

**Rob Griffiths** is a senior contributor for *Macworld* and is currently master of ceremonies for software company Many Tricks ([manytricks.com](http://manytricks.com)).



**MISSION CONTROL, TAKE TWO** Parallels groups all your Windows apps together in Parallels Desktop, which makes managing and selecting them less Mac-like.



**Complete the circle in recycling.** We turn the plastic bottles you "recycle" into a product that lets you take your ideas farther. A Booqpad made from recycled PET gives your trash a second life and allows you to create, store, present and review your ideas on paper right next to your iPad. Visit [booqbags.com](http://booqbags.com) and complete the circle you started.





## How to Find Mail Messages in Lion

Track down emails with these tips for smart searching

BY JOE KISSELL

It's easy to store old messages by the thousands, but finding one of those messages can be tricky. The Lion version of Apple Mail (📧; [macworld.com/a/161372](http://macworld.com/a/161372)) includes useful new search features, but also adds complexity and confusion. You can locate the messages you want quickly and easily by following some simple steps and learning a few pro tricks.

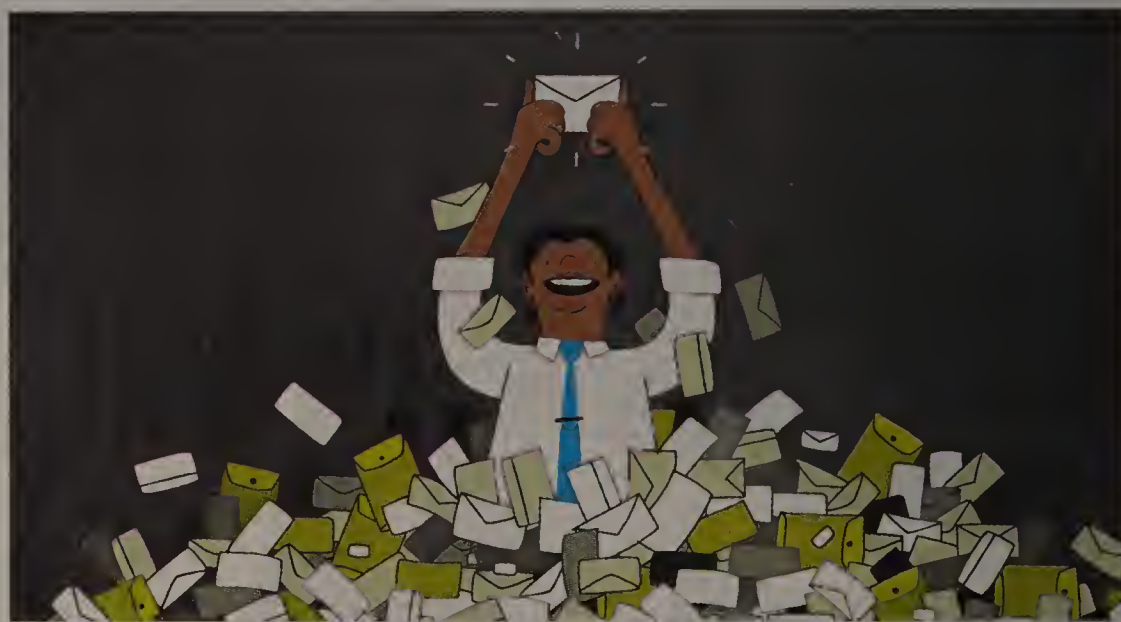
### Suggestions, Tokens, and Scope

The easiest way to find something in Mail is to type one or more words in the search box and see what shows up in the message list. By default, Mail searches the contents of all your messages.

As you type in the search field, Mail displays suggestions—things it guesses you might be searching for. You're free to ignore these, but if you see what you're searching for in this list, select it to quickly narrow the search.

## Mail tries to be clever when matching names, sometimes with unexpected results. Avoid frustration by understanding how Mail works.

**Let Mail Help** For example, if you type a portion of someone's name or email address, Mail may display the full name under a People heading. Select that name, and Mail encapsulates it in a blue bubble it calls a *search token*; this token enables you to read the search term or change its attributes more easily and with fewer errors than when using old-fashioned search terms such as **from:name@example.com**. Similarly, if you type something resembling a date (such as **October 2011** or **yesterday**),



Mail offers to create a token that matches messages from that date.

By default, tokens match your search term in message headers or metadata, such as To, From, Subject, Date, Status (for example, Flagged), and Attachments, or in a mailbox name—which-

ever category seems to offer the most likely match.

If you want to search in a different location, just click the arrow next to the token's category and choose a different category from the pop-up menu. For example, if you select a person and the token says **From:Dan Frakes**, you can click **From** and change it to **To**. One of the options on this menu is always Entire Message, which expands the search to include the contents of your messages.

**Narrow Your Search** If you use two or more tokens in combination, Mail looks for messages that match all of them—for example, messages from a single sender about a particular topic (**From:John Smith Subject:Curling**) or messages in a date range with some attribute (**Date:January 2006 Status:Flagged**). Your search can also include plain text in addition to one or more tokens.

**Choose Where to Search** As soon as you begin typing your search term, Mail displays additional options on the left side of the Favorites bar. (The Favorites bar, located below the toolbar, contains shortcuts to frequently accessed mailboxes.)

The first option is All, meaning all mailboxes in all accounts; that's followed by either the name of the currently selected mailbox, if any, or Selected Mailboxes, if more than one mailbox is selected. To specify which mailboxes Mail should search, click All or one of the other options in the Favorites bar.



**Be Aware of Mail's Logic** The suggestions Mail offers for creating search tokens depend on the scope of your search. If you're searching for a person's name, for example, but your search currently includes only your inbox and you don't happen to have any email from that person in your inbox, the name won't be suggested as a token. But if you click All, suddenly Mail has a broader scope in which to search for the person's name, and that name is much more likely to show up as a suggestion.

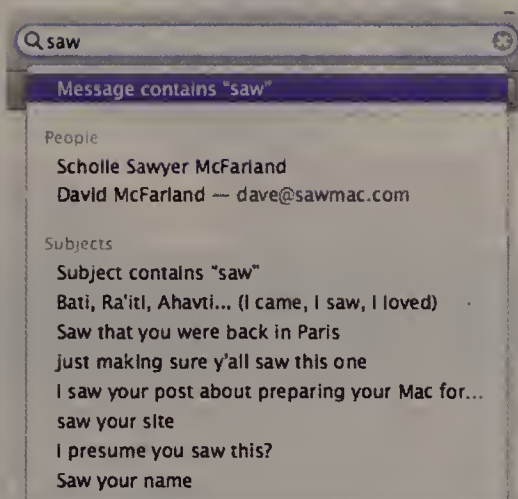
Mail tries to be clever when matching names—sometimes with unexpected results. If the search token produced is **From:Dan Frakes** and the Address Book or Previous Recipients list has more than one address for Dan, Mail displays matches for all of those addresses. In fact, that's true even if I expressly search for **dfrakes@macworld.com**; regardless of the fact that the search token shows a specific address, Mail actually returns messages from *all* of Dan's addresses.

### Advanced Search Tips

Hone your searches with these tricks:

**Take Advantage of Defaults** If you choose All as the scope for a search, Mail defaults to All the next time you search. Similarly, if you search in one mailbox, Mail defaults to that mailbox the next time.

**Put Phrases in Quotes** To search for a phrase, put it in quotation marks. A search for **"apple pie"** will find that entire phrase, but not messages in which *apple* and *pie* appear independently.



**Search Suggestions** As you begin typing search terms, Mail suggests possible matches, divided into such categories as People and Subjects.

**Adjust Search Terms According to Scope** When you search in headers (To, From, Subject, Date), Mail matches the string you type if it appears anywhere in a word. For example, a search for **cat** matches *bobcat* as well as *catch*. However, when you search message contents using the Entire Message option, Mail matches only the beginnings of words—**cat** matches *catch* but not *scat*. This applies to multiple words, too: In a header, **press ring** matches a message whose subject is “exploring impressionism,” whereas a search of message contents produces a match only if the message contains words beginning with both *press* and *ring*.

**Try Boolean Searches** The Lion version of Mail now supports Boolean searches for message contents (though not for headers). You can use the terms AND, OR, and NOT, along with

parentheses, to search for combinations of terms within a message body. For example, if the search field says **pineapple AND (peppers OR broccoli)**, Mail returns messages that contain the word *pineapple* along with either the word *peppers* or the word *broccoli* (or both)—omitting messages with *pineapple* but not one of the other words. Be sure to put the words AND, OR, and NOT in all caps so they're not treated as ordinary words. Use a hyphen (-), with no following space, as a shortcut for NOT, as in **pineapple -eggs**.

**Specify Date Ranges** Search for messages that fall within a range of dates by entering the dates in the form **MM/DD/YY-MM/DD/YY** (as in **3/28/11-10/14/11**). Ranges don't create tokens, though, so enter them carefully; a single typo can throw everything off.

**Save a Smart Mailbox** Click the Save button below the search field to save any search as a smart mailbox (or choose Mailbox ► New Smart Mailbox), which then appears in Mail's sidebar. This is a good idea when you have a search you perform frequently, especially if it's a complex one. Smart mailboxes are updated dynamically as messages are added, deleted, and moved. To edit a smart mailbox, double-click it; you can modify it just as you would a Mail rule.

Senior Contributor **Joe Kissell** is the senior editor of TidBits and the author of the ebook *Take Control of Mail on the iPad, iPhone, and iPod touch*, third edition ([www.takecontrolbooks.com](http://www.takecontrolbooks.com)).

## Hex Varsity 13" Messenger Bag

The sleek \$80 Varsity 13" Messenger Bag for iPad from Hex ([www.shophex.com](http://www.shophex.com)) is a beautiful everyday option, appropriate for use anywhere from the boardroom to the classroom to the coffee shop. And despite what its name implies, the Varsity can hold both an iPad *and* a laptop. (However, once you've stowed your laptop inside the main compartment, there isn't room for much more in there than your power adapter and a book.) On the front of the bag, concealed beneath the top flap, you'll find an iPad frame that's compatible with both the original iPad and the iPad 2. You slide your iPad into the fleece-lined frame and secure it with a Velcro-like strap. You can then access the iPad's screen by simply lifting the flap. This is a standout messenger bag for professionals, students, and consumers alike.—ALEXANDRA CHANG





# Dragon Express 1.0

An inexpensive way to discover speech recognition

BY KIRK MCELHEARN

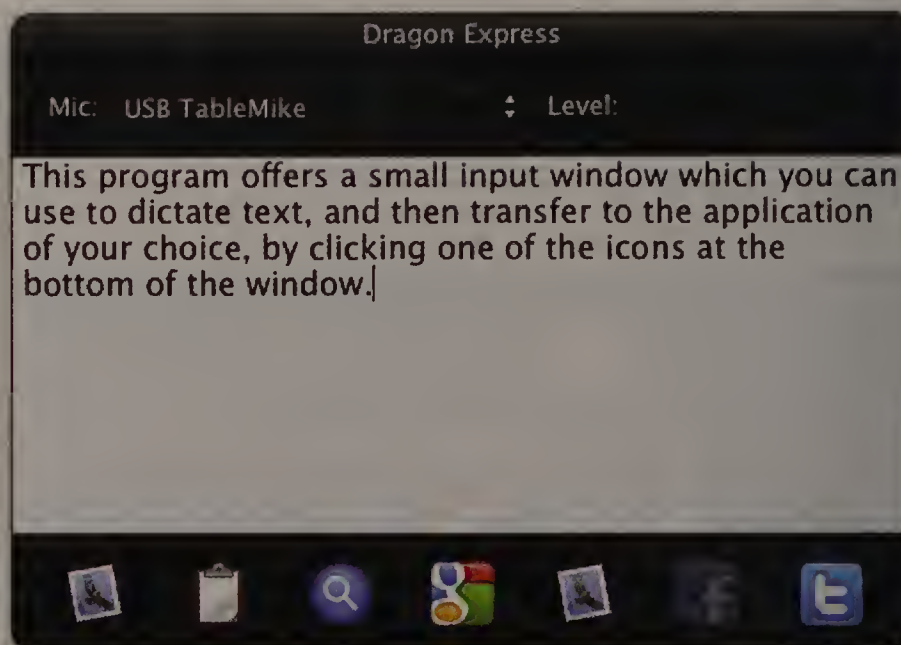
## REVIEW

If you've used Nuance's \$200 Dragon Dictate (★★★★; [macworld.com/a/162299](http://macworld.com/a/162299)) to dictate into your favorite programs, you'll be a bit taken aback by the limitations of the \$50 Dragon Express, available only in the Mac App Store. While it's tempting to compare Dragon Express to its bigger sibling, this version is intended for people who dictate only occasionally or who just want to give dictation a try.

### Quick and Basic Dictation

With Dragon Express, you bring up a dictation input window by pressing a keyboard shortcut. (Note that Dragon Express uses around 400MB of memory, so keeping it running for occasional dictation requires that your Mac have enough RAM so this requirement won't slow it down.) When you're done talking, transfer the text to the application of your choice by clicking one of the icons at the bottom of the window, or by using keyboard shortcuts or voice commands.

This text-transfer process works with either the frontmost application, or with one of a number of preset applications, such as Mail, Facebook, and Twitter. You can also send the text to your Web browser to search Google, to Spotlight



**Dictation Window** Use the Dragon Express input window to dictate and then send that text to the frontmost application or to other preset destinations.

to search on your Mac, or to OS X's Clipboard. When you click one of these buttons, Dragon Express switches to the selected application and enters your text. Curiously, it doesn't copy and paste the text—rather, it types it, quickly, letter by letter.

### Full-Fledged Recognition Engine

Both Dragon Express and Dragon Dictate share the same recognition engine, and they get equivalent results if you use the same microphone. Dragon Express says that you can use your Mac's internal microphone, and in the quiet environ-

ment of my home office, I was surprised by the quality of recognition using the internal mic. However, once you get into a noisy environment, you need a better microphone. (See "Buying Guide: Microphones for Speech Recognition" at [macworld.com/a/163860](http://macworld.com/a/163860).)

### Macworld's Buying Advice

Dragon Express does exactly what it claims to do, and does so very well, at an affordable price. Never before has this quality of speech recognition been available to Mac users at such a low cost. Nuance is currently offering a \$100 upgrade path to Dragon Dictate for users who have purchased Dragon Express. While the limitations of Dragon Express will certainly dissuade anyone who wants to perform a lot of dictation—those users are better off with Dragon Dictate—it provides a handy, easy way to dictate occasional texts and transfer them to your applications.

Senior Contributor **Kirk McElhearn** is the author of *Take Control of Scrivener 2* ([www.takecontrolbooks.com](http://www.takecontrolbooks.com)).

★★★★; \$50; Nuance, [www.nuance.com](http://www.nuance.com)

## Charge Master

Travelers are carrying more and more gadgets on their trips, yet most hotel rooms still offer only a single AC outlet. Energizer's \$60 iSurge Travel Charging Station ([macworld.com/a/7586](http://macworld.com/a/7586)) redefines the power brick, with the aim of satisfying all your charging needs. On the front are three surge-protected AC outlets; on the top is an iPhone and iPod charging dock; and on the side is a 1-amp USB charging port. (That 1 amp provides only enough power to charge an iPad slowly.) Tucked away on the bottom is a night-light that you can switch on and off. We wish the iSurge's wall plug folded up for a more-compact profile, but it does rotate 90 degrees in either direction to work with horizontal wall outlets. —DAN FRANKS





# ios 5

## UPGRADE GUIDE

Everything you need to know about Apple's latest mobile OS



iOS 5 has hit the stage, and eager users everywhere are getting ready to upgrade their devices. If you're concerned about the upgrade process, or simply want to know all your setup options before making the big switch, let the editors at Macworld help you upgrade your iPhone, iPod touch, or iPad to iOS 5 with this step-by-step guide. After you've set up your device, we'll walk you through the mysteries of iCloud, introduce you to each of iOS 5's marquee features, and uncover hidden gems within apps.



Available on the  
**iBookstore**

<http://macworld.com/7543>

# JUC400 Wormhole Switch

Amazing KVM switch seamlessly connects two computers (including a Mac and an iPad)

BY JAMES GALBRAITH

## REVIEW

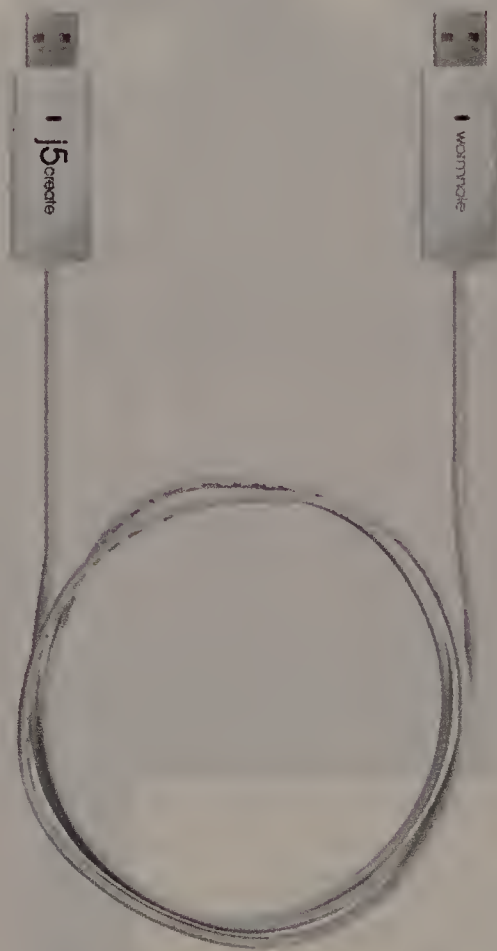
The JUC400 Wormhole Switch from J5Create is a simple-looking device that lets you do amazing things. Using a single cable, the JUC400 lets you share a keyboard and mouse connected to one Mac or PC with another Mac or PC, in any combination. But that's not all. It also enables you to drag and drop files and folders from one desktop to another, as well as share the computers' Clipboards.

### Hop between Desktops

Most KVM (keyboard, video, and mouse) switches let you share a keyboard, mouse, and display between multiple computers, but you can only use one computer at a time. The Wormhole changes all that.

Drag the cursor to the edge of one display and it jumps to the other display. Drag and drop files the same way. Open a text document on one Mac, copy some text, and then paste it into a document running on the other Mac. It's so smooth you won't believe that you haven't always been able to do this.

If you have an iPad and a \$29 iPad Camera Connection Kit (🔗🔗🔗🔗; [macworld.com/a/151623](http://macworld.com/a/151623)), you can attach one end of the Wormhole Switch to the iPad and the other to a Mac or PC, and then use the computer's keyboard to type text into



an open iPad app. While it sure would be a blockbuster feature, drag and drop to and from the iPad is not supported.

### No Disks Required

The Wormhole requires a Mac running Snow Leopard or later. It supports Windows 7, Vista, XP, and 2000. All of

the software is located on the device. It mounts like an optical drive, so you don't need to carry around an additional thumb drive or download drivers.

Once you launch the Wormhole software, the small lights on the cable's connectors start to flash and you get a message telling you that a connection has been made. Next, you open the Preferences menu and tell the Wormhole software where the other computer is situated—to the left or right of, under, or on top of the computer you're using to configure the system. In our tests, the system worked with Apple's wireless keyboard and mouse and with the built-in keyboard on a MacBook Pro.

### Macworld's Buying Advice

Sharing files, folders, keyboards, and mice between two Macs, a PC and a Mac, or two PCs has never been easier. All you need is one cable to do some sophisticated sharing. We recommend it for IT professionals or anyone who has to share files and folders between computers.

James Galbraith is Macworld's lab director.

🔗🔗🔗🔗; \$40; J5Create, [www.j5create.com](http://www.j5create.com)

## Move between Menus with Arrow Keys

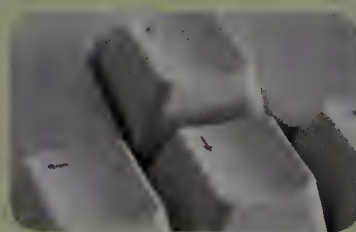
### TIP

If you've clicked to open a menu, perhaps you've noticed that the arrow keys let you move through the menu's commands. But you can also open the menu itself, as well as move to other menus; using the arrow keys. The key to this trick is turning on some controls in the Keyboard Shortcuts pane of the Keyboard system preference. Click Keyboard & Text Input on the left, and, in the list at the right, check the boxes for Move Focus To The Menu Bar and Move Focus To Status Menus.

Trigger these commands using their default shortcuts (Control-F2 for the menu bar and Control-F8 for the status

menu—those little icons on the right side of the menu bar).

When you do, the first menu, or the first status menu icon, is highlighted. (The status menu isn't quite as easy to access with this method. Generally, you'll only be able to select items supplied by the operating system.) Use the left-arrow or right-arrow key to move to the menu you want. Press the down arrow to open a selected menu, and then use the up and down arrows to move through the menu's commands. Press Return or the spacebar to trigger a command; or, if you reach a submenu's title, press the right arrow to pop it open.—SHARON ZARDETTO





# Best DVD and Blu-ray Copy Software



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## REVIEWS

Hardware and Software for  
All Your Business Needs

## HARDWARE

Canon  
ImageClass  
MF8080Cw

The small-office-oriented Canon ImageClass MF8080Cw color laser multifunction printer looks like a bargain at \$450. After a couple of hours of enduring its sluggish speed, lack of automatic duplexing, and other drawbacks, however, you'll understand why it's priced so low. And your first trip to the store for consumables will provide another moment of realization: The MF8080Cw's toner is hardly bargain-priced. For a workgroup laser printer, the MF8080Cw prints slowly, primarily because of a long wait for the first page of any document. Once the unit gets going, subsequent pages appear far more quickly. On-board memory is only 128MB, which might have something to do with the slow initial-page output. Plain-text pages and pages with a mix of text and graphics printed at 7.4 pages per minute. Full-page photos printed at 1.6 ppm. Both preview and full-scan times were fast—less than 20 seconds for a full scan. Generally, the print quality of the MF8080Cw was quite good. As for toner, black ink runs about 3.5 cents per page. A four-color page costs about 17.5 cents to print—a more expensive average than most inkjets offer.

★★★; \$449; Canon, [usa.canon.com](http://usa.canon.com)

Iomega Mac  
Companion  
Hard Drive  
3TB ▷

External hard drives typically do one thing only: store your data. But the Iomega Mac Companion does a lot more than that. It transfers your files at great speeds, acts as a USB hub, and charges your devices. The Companion has a striking trapezoidal

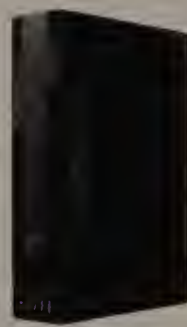


design and fits nicely on the aluminum stand of an iMac, Apple LED Cinema Display, or Apple Thunderbolt Display. It includes a single 2.1-amp USB 2.0 port for connecting and charging an iPhone, iPod, or iPad, as well as two FireWire 800 ports, three USB 2.0 ports (one for connecting to a Mac, two for connecting other devices to the Companion), and a power input. When connected to your Mac over USB, the Companion performs as a USB hub. File-transfer speeds were impressive through USB 2.0. When connected over FireWire 800, the drive obtained the fastest read speeds of any drive we tested in 2011. You pay a premium for those charging and hub features, though, and they vary depending on how you connect. Through USB, you get the extra USB ports and iOS device syncing; through FireWire, you get faster transfer speeds and zippier recharge times. Syncing and USB hub features will not work when the Companion is connected to your Mac over FireWire. Depending on your needs, you'll have to choose between one feature and another.

★★★½; \$450; Iomega, [www.iomega.com](http://www.iomega.com)

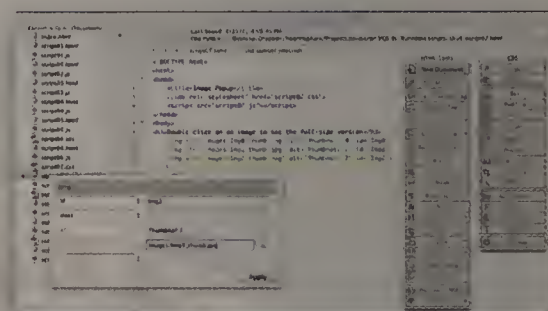
Seagate GoFlex  
Desk 4TB ▷

Seagate's latest hard drive, the GoFlex Desk External Drive, offers a whopping 4TB of storage, as well as connectivity adapters and decent speeds. What makes Seagate external drives stand out is that they're not tied to one type of connection technology. Our review unit came with a USB 3.0 adapter (compatible with USB 2.0). You can get a \$50 FireWire 800 and USB 2.0 adapter from Seagate's website. The device powers on when you hook it up to a Mac, and powers off when you unplug it from your computer. The GoFlex holds its own when it comes to speed: It wrote a 2GB folder at 30.8 megabytes per second



(MBps) and copied it back at 36.1 MBps over USB 2.0, not quite beating the CalDigit AV (★★★½; [macworld.com/a/154146](http://macworld.com/a/154146)) in write times, but definitely surpassing it in read times. In our write test with a 2GB file, the GoFlex beat the Iomega eGo Silver Desktop (★★★½; [macworld.com/a/152485](http://macworld.com/a/152485)), writing data at 32.7 MBps. The Seagate GoFlex Desk gives you a lot of storage space and lets you connect to the port of your choice. One minor drawback: The drive's all-black finish looks great, but the reflective surface of the enclosure makes it a fingerprint and smudge magnet.

★★★; \$300; Seagate, [www.seagate.com](http://www.seagate.com)




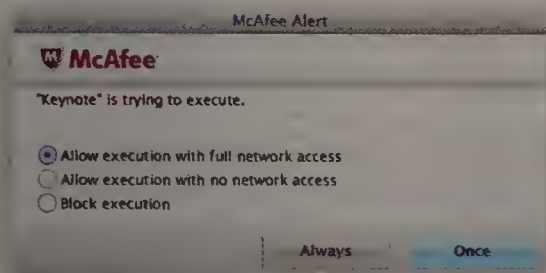
## SOFTWARE

## BBEdit 10.1 ▷

When you already make one of the most robust and full-featured text editors available, what do you do for an encore? With BBEdit 10, Bare Bones Software chose to design a new version that's easier to use and more accessible for existing users. New users will find plenty to like, especially those outside BBEdit's core constituency of programmers. If you need strong text-editing features for prose, not code, you'll enjoy the user-interface improvements and the ability to get work done faster. If you're a codehead, you get better ways to work with your code, like improved project management, easier HTML entry, and customizable syntax coloring. For example, those users who do a lot of HTML and CSS authoring with BBEdit will appreciate that the respective markup palettes have been redesigned and modernized, and that the modal dialog boxes for entering tags have been




replaced with context-aware popovers containing the appropriate required or optional attributes for the tag you're entering. BBEdit's price has also been halved to \$50. Considering all these enhancements, BBEdit should be your first choice for a full-featured text editor. ; \$50; Bare Bones Software, [www.barebones.com](http://www.barebones.com)



## McAfee Internet Security 2012 for Mac

We Mac OS X users are notably resistant to using the antivirus, anti-malware, and security-monitoring software offered for the Mac platform. "What—me worry?" could be our motto, as well as "Not paying for that!" McAfee Internet Security tries to address the virus, malware, and Trojan horse issue directly: It prevents you from passing on Windows viruses that may be sent as attachments or picked up when you copy files back and forth via Boot Camp or a Windows virtual machine. The app's protection is helpful for those users who don't have the savvy to avoid unknown software and attachments. Also, it offers a useful defense if someone else uses your computer without taking the same care that you would. If you're still not convinced you need virus protection, though, the software's extra components may prove most interesting to you. They can help identify malicious websites to avoid, review programs before allowing them to launch, and provide a firewall to prevent intrusions. (That last feature is also useful for preventing unintended access to file sharing.) The firewall is simpler than those in many full-featured programs. For instance, you can shut down all incoming or outgoing traffic in a couple of clicks without having to disable your network interface. The package even includes a Firefox extension that rates the safety of search engine results.

; \$80; McAfee, [home.mcafee.com](http://home.mcafee.com)

## Top Products YOUR GUIDE TO THE BEST HARDWARE WE'VE TESTED



### HARD DRIVES Desktop

PRODUCT	RATING	PRICE <sup>A</sup>	TYPE	FIND CODE <sup>B</sup>
<b>AV Drive</b> <a href="http://www.caldigit.com">www.caldigit.com</a>		\$189 (1TB)	USB 3.0	<b>6757</b>
<b>iT1 Dock</b> <a href="http://www.istoragepro.com">www.istoragepro.com</a>		\$329 (2TB)	quad interface	<b>5843</b>
<b>SoloPro</b> (pictured) <a href="http://www.iosafe.com">www.iosafe.com</a>		\$250 (1TB)	USB 2.0 and 3.0	<b>7136</b>



### HARD DRIVES Portable

PRODUCT	RATING	PRICE <sup>A</sup>	TYPE	FIND CODE <sup>B</sup>
<b>ioSafe Rugged Portable SSD</b> <a href="http://www.iosafe.com">www.iosafe.com</a>		\$499 (120GB)	single interface	<b>7559</b>
<b>Mercury Elite-AL Pro Dual mini</b> (pictured) <a href="http://eshop.macsales.com">eshop.macsales.com</a>		\$180 (640GB)	triple interface	<b>7256</b>
<b>My Passport Essential</b> <a href="http://www.wdc.com">www.wdc.com</a>		\$90 (500GB)	single interface	<b>7521</b>



### INPUT DEVICES Keyboards, Mice, Pen Tablets

PRODUCT	RATING	PRICE <sup>A</sup>	TYPE	FIND CODE <sup>B</sup>
<b>Intuos4 Wireless</b> <a href="http://intuos.wacom.com">intuos.wacom.com</a>		\$374	pen tablet	<b>6422</b>
<b>Magic Trackpad</b> <a href="http://www.apple.com">www.apple.com</a>		\$55	trackpad	<b>6436</b>
<b>Wireless Solar Keyboard K750</b> (pictured) <a href="http://www.logitech.com">www.logitech.com</a>		\$60	keyboard	<b>7560</b>



### PRINTERS Laser

PRODUCT	RATING	PRICE <sup>A</sup>	TYPE	FIND CODE <sup>B</sup>
<b>5130cdn</b> (pictured) <a href="http://www.dell.com">www.dell.com</a>		\$1075	LED, color	<b>6009</b>
<b>C544DN</b> <a href="http://www.lexmark.com">www.lexmark.com</a>		\$373	LED, color	<b>4356</b>
<b>Color LaserJet CP2025dn</b> <a href="http://www.hp.com">www.hp.com</a>		\$368	LED, color	<b>4823</b>



### PRINTERS Multifunction

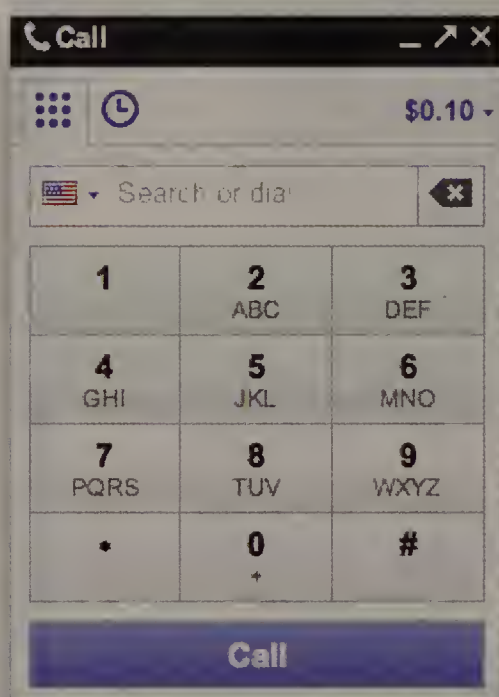
PRODUCT	RATING	PRICE <sup>A</sup>	TYPE	FIND CODE <sup>B</sup>
<b>Color LaserJet CM1312nfi</b> <a href="http://www.hp.com">www.hp.com</a>		\$350	laser	<b>5183</b>
<b>Pixma MG6120</b> <a href="http://www.usa.canon.com">www.usa.canon.com</a>		\$145	inkjet	<b>7254</b>
<b>WorkForce 840 All-in-One</b> (pictured) <a href="http://www.epson.com">www.epson.com</a>		\$150	inkjet	<b>7323</b>

<sup>A</sup> All prices are the best current prices taken from a PriceGrabber survey of retailers at press time. <sup>B</sup> In a browser's address field, typing a find code after [macworld.com/](http://macworld.com/) takes you to a product's review or overview.



# BUSINESS CENTER

News and Analysis about  
Macs in the Workplace



## Free Gmail Phone Service Extended

Google has announced that it will continue to offer free calls nationwide from within Gmail throughout all of 2012.

The free calling service, which Google introduced in August 2010, lets users use Google Voice from within the Gmail website to make and receive phone calls ([www.google.com/voice](http://www.google.com/voice)). Just a year ago, the company announced that it would make calls throughout the United States and Canada free for all of 2011; this announcement extends that offer for another year.

If you do use the free Google Voice service, you can configure calls to your Google Voice numbers to ring not just your cell and home phones, but also your Gmail phone.

Placing calls from within Gmail is as simple as clicking on the Call Phone link and typing in the number you want to dial. And since the service integrates with Gmail's Contacts, you can just type a friend's name to call, too.—LEX FRIEDMAN

## Survey: Apple's Popularity Rises in Workplace

Less than two years after their introduction, iPads are helping people sell cars, fly airplanes, and make medical diagnoses—and such uses may just scratch the surface. A new survey from the Enterprise Device Alliance (EDA) shows that Apple devices are making big inroads in the business market, even if IT managers remain dubious.

The association surveyed 277 IT professionals, representing organizations with up to 1.7 million tech users. Just 6.7 percent of employees in those organizations are currently using Macs, according to that survey. But that number is expected to grow to 9.6 percent by the end of 2012. Apple's mobile devices are expected to make even bigger gains, with iPhone use estimated to expand from 14.2 to 20.2 percent of business users in 2012, and iPad use to grow from 4.6 to 9.8 percent of those users during the coming year.

Of course, the EDA has good reason to root for such developments: It's a nonprofit industry consortium of software companies that assist in integrating Apple products into Windows-managed business IT environments. Participating companies include GroupLogic, Web Help Desk, Absolute Software, and Centrify. But the EDA's numbers reflect those of other studies showing growing Apple acceptance in the workplace.

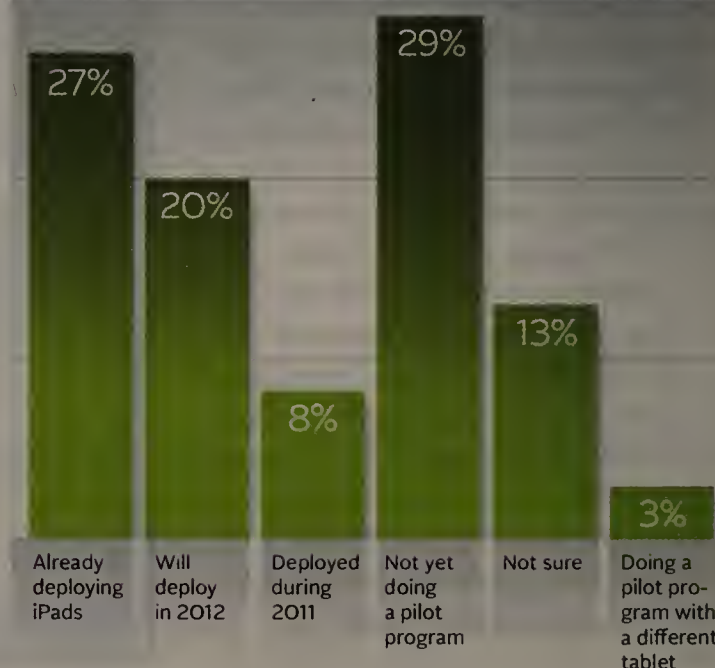
More than 90 percent of the businesses surveyed are already using tablets, in fact—mostly in pilot programs—and 75 percent of those businesses are using iPads. That latter number isn't such a surprise, given how the iPad has dominated the tablet market overall.

What accounts for this growing popularity of Apple products? Simple: Executives love them and want to bring them to the office. EDA's survey suggested that executive use of the iPad was the number one reason that businesses are moving to support the tablets. Reason number two is the availability of useful apps.

IT managers remain skeptical of iPads, however. Almost 60 percent of the respondents indicated concerns about business security being compromised because of lost or stolen devices—though that should no longer be as much of a concern, given the ability to remotely wipe information from a lost iPad. Nearly a third of respondents said that tablet users are running consumer-grade apps on their tablet despite data-security concerns.

"Tablets have engendered enormous curiosity but not full acceptance," the association said in its report. "Security issues are the major impediment to broader acceptance and tighter integration of tablets."—JOEL MATHIS

### "When Will Your Company Complete Its iPad Pilot Program?"





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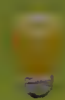
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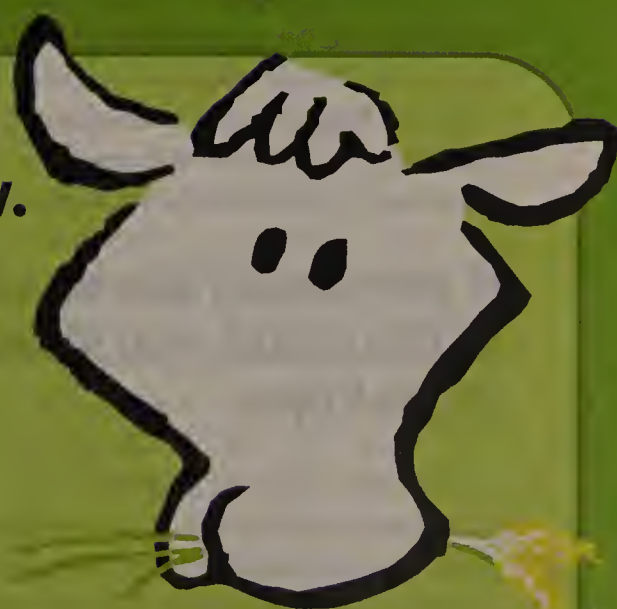
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# PLAYLIST

Everything You Need to Know about iPods, iTunes, and Mac-based Entertainment

## Give Your Audiobooks Wings

How to access Audible content and add CD rips to iTunes Match

BY KIRK MCELHEARN

**W**hile iTunes Match was designed for matching music and providing cloud access to a music library, there are many audiobook listeners who might want to access their favorite books in the cloud. That requires a bit of work, however. Here's how you do it.

First, whether you need to go to the trouble of setting up your audiobooks for iTunes Match depends on where you got them. If you bought them from the iTunes Store, you're out of luck. Not only do audiobooks not show up in your purchased list, but since they are protected with digital rights management (DRM), you can't convert the files into the format required for adding them to iCloud. (This article details that conversion process.)

If you're an Audible.com member, however, your audiobook library is already in the cloud. If you download the free Audible app for iOS ([macworld.com/7613](http://macworld.com/7613)) and then log in with your username and password, you'll be able to download or stream any of the books you've purchased.

### If you would like to access your audiobooks in the cloud, you should start by ripping them at 96 kbps.

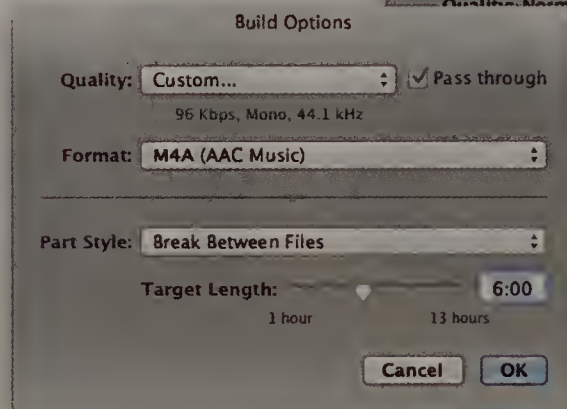
If some or all of your audiobook collection comes from CD rips, DRM-free downloads, or CDs that contain MP3 files, then there are some simple steps you can follow to get your books to work with iTunes Match.

#### Getting Audiobooks to Match

There are two reasons why iTunes Match doesn't match your audiobooks. First, it

#### Audiobook Builder

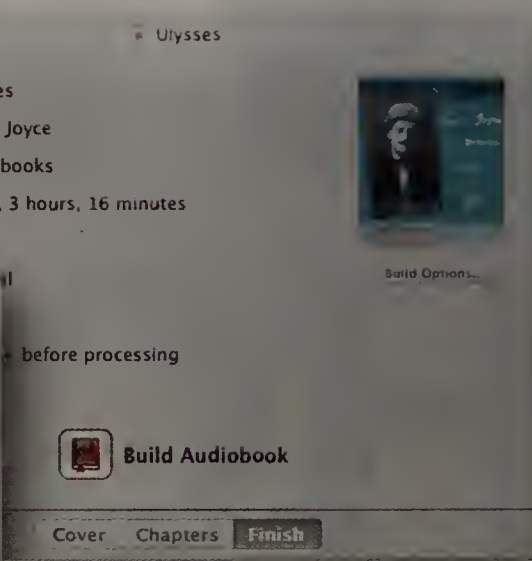
Splasm's Audiobook Builder can simplify the conversion required to prepare audiobooks for iTunes Match, as well as join files so you have fewer of them to deal with.



doesn't match anything in your Books library. Second, even if your audiobooks are not in that library, iTunes Match won't match anything that's at a bit rate of less than 96 kilobits per second (kbps). If you followed my instructions on ripping audiobooks (which you can find at [macworld.com/a/136824](http://macworld.com/a/136824)), you almost

certainly have books that have a bit rate of less than 96 kbps. This makes sense if you want to save space, since audiobooks don't need to be at a bit rate as high as music, and are usually very long.

However, if you want to put your audiobooks in the cloud, you can start by ripping them—or at least the ones you want to have iTunes match—at 96 kbps. After doing so, make sure that you *don't*



follow the usual method of selecting the tracks, pressing ⌘-I, going to the Options tab, and selecting Audiobook from the Media Kind menu. If you do this, the books end up in the Books library, which iTunes Match ignores.

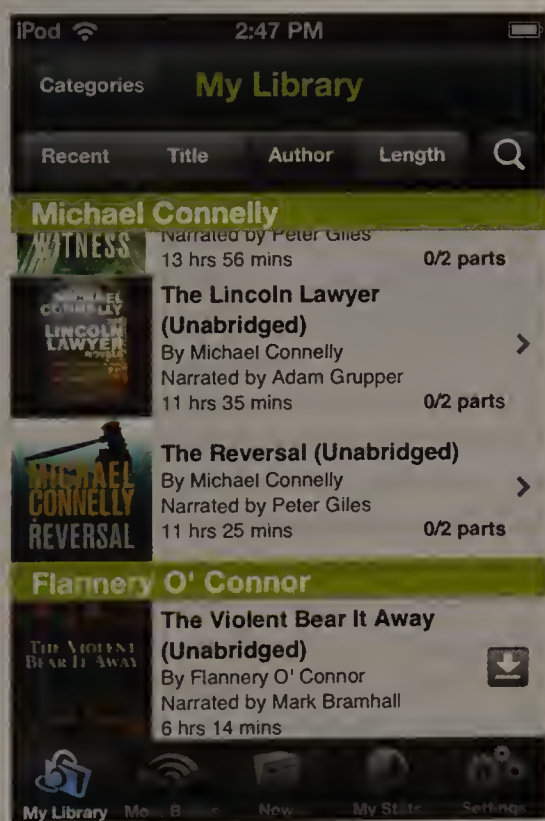
Instead, leave them as music—that's how they're designated by default when you rip a CD—and set their genre to Spoken Word or Audiobook. (If you have a lot of audiobooks, you can use more genres; just type in the ones you want, such as Fiction, Nonfiction, History, Romance, and so on.) These files get uploaded to iTunes Match, and you can access them from other devices according to their genre or the artist's name (generally the author).

If you have ripped audiobooks in your iTunes library at bit rates of less than 96 kbps, you have the option of upsampling them. In other words, you can convert the files from their existing bit rates to 96 kbps so that you can use them with



iTunes Match. To do so, go to the General tab of iTunes' Preferences menu and click on Import Settings. In the Import Using pop-up menu, you can choose either AAC Encoder or MP3 Encoder; neither offers any particular advantage for use with iTunes Match. From the Setting pop-up menu, choose Custom. Then set Stereo Bit Rate to 96 kbps; Sample Rate to Auto; and Channels to Mono (unless you've ripped in stereo, as you might for full-cast recordings). Then select Optimize For Voice, and click the OK button three times to save your changes and dismiss all windows.

Now, select one of your audiobooks, no matter how many files you have. I recommend that you create a new playlist with these files; that makes it easier to delete them after you convert them. To do so, press ⌘-Shift-N, or choose File ► New Playlist From Selection. Go to that playlist, select the files, and choose Advanced ► Create AAC Version (if your import settings are for AAC files) or Advanced ► Create MP3 Version (if you chose the MP3 encoder). iTunes starts converting the files. This may take a while if you have a long book, or just a couple of minutes for shorter books.



**Audible** If you're an Audible customer, you can download and listen to any book in your library using Audible's iOS app.

When iTunes has finished the conversion, you can do one of two things. First, you can delete the files you just converted and keep only the 96-kbps versions. To do so, select the files in the playlist and click Option-Delete. A dialog box asks if you want to delete the songs; click Delete Items.

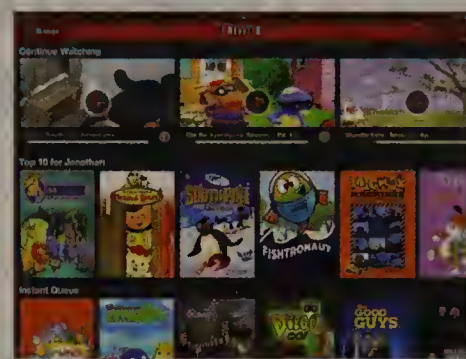
The other option is to keep both sets of files—the ones at the lower bit rate for your iPod, say, and the higher-bit-rate files for iTunes Match. If you do this, I recommend that you tag one set of files so it's clear which is which. The easiest way to do this is to select the files you just converted, press ⌘-I, and, in the Album field, add something at the end of the album name, such as '(low bit rate)' or '(iPod version)'. This means that each version of your audiobook will be a separate album, and you'll be able to sync them easily.

### Third-Party Software

One other option is to use Splasm Software's \$10 Audiobook Builder ([www.splasm.com](http://www.splasm.com)). This application lets you join files together, but you can also change the bit rate when doing so. After you've created what the program calls a project, click Build Options below the cover image in the Finish tab, or go to Audiobook ► Build Options, click the Quality pop-up menu, and select Custom. Set Data Rate to 96 kbps; Channels to Mono; and Sample Rate to 44.1kHz. Click OK and, in the Format pop-up menu, choose M4A (AAC Music). Audiobook Builder joins and converts the files. Add them to your iTunes library and match away.

With this technique, you can put audiobooks in the cloud for listening whenever you want. It's limited to the books you have on CD or in DRM-free files, but if you're a big fan of audiobooks, you probably have a lot of these.

Senior Contributor **Kirk McElhearn** writes about more than just Macs on his blog *Kirkville* ([www.mcelhearn.com](http://www.mcelhearn.com)). He is the author of *Take Control of iTunes 10: The FAQ*, second edition ([www.takecontrolbooks.com](http://www.takecontrolbooks.com)).



## Netflix iOS App Goes to 2.0

BY DAN MOREN

Good news for those customers who didn't abandon Netflix after the whole Qwikster debacle: The video rental and streaming service has released version 2.0 of its iOS app, which brings a completely overhauled user interface to the iPad ([macworld.com/7614](http://macworld.com/7614)).

The new iPad interface gets high marks for both attractiveness and usability. When you launch the app, the home screen presents you with a scrollable list of videos you've recently watched but not finished, with the option to pick up where you left off in a video. To distinguish these videos from the rest of the content, the Continue Watching section displays thumbnails of the videos, with prominently placed play buttons.

Below that list are a number of personalized collections, which you can easily scroll by swiping left or right. Tapping on any title brings up a panel of information about that video, along with ratings, the ability to add it to your instant queue, a selection of similar movies, and, for TV shows, a list of episodes and a pop-up menu that lets you quickly jump between seasons. You can play any video by tapping on the title's poster in this detail view.

In addition to offering an updated iPad interface, the Netflix app also improves stability and adds access for users in Latin America. The new iPad interface requires iOS 5.0 or later.



# Why Does iTunes Match Hate Real Music Fans?

iTunes Match shouldn't shun those of us with big libraries

BY KIRK MCELHEARN

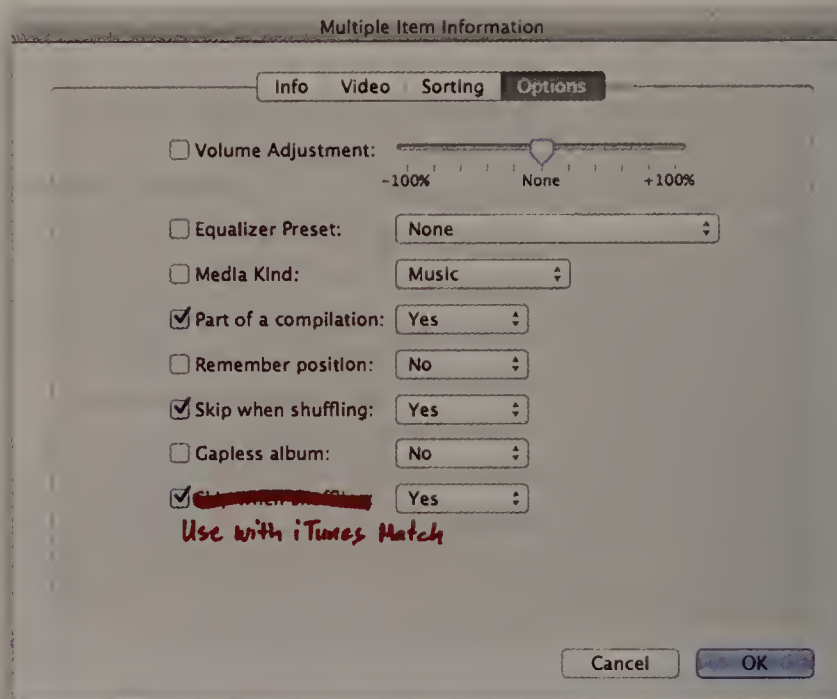
**W**e are the excluded ones. The misfits. The ones who listen differently.

We are the ones whom Apple ignores. The obsessive music lovers. The ones with huge iTunes libraries. The ones who buy the iPod classic, maybe even more than one, because each one can hold as many as 40,000 songs.

We are the ones who cannot use iTunes Match.

OK, perhaps that's going a little overboard. But when Apple introduced iTunes Match, my request to move my iTunes library to the cloud was immediately refused. Although Apple had already announced that you could store no more than 25,000 songs using iTunes Match, I was surprised when iTunes informed me that I couldn't even sign up if I had more than that.

I can certainly understand that Apple needs to limit the amount of space it gives you for the \$25 yearly fee for iTunes Match. What I can't understand, however, is that iTunes Match simply refuses to let those of us with large libraries sign up at all. It doesn't let you choose what you put in the cloud, and you don't get a screen allowing you to select specific artists, albums, and/or genres, as you do when you sync an iPod. After all, given that Apple markets the iPod classic—a music player that holds 40,000 songs (at 128 kbps, that is)—to people like me, how can the



**A Better Way** One way iTunes Match and large libraries could get along is if Apple added an option to include or exclude tracks.

company then turn around and say that I have too much music to use with its new pay service?

My iTunes library currently contains 76,847 tracks (not songs). I stress the fact that these are not all songs, because more than half of my library is classical music; while it's technically correct to say that some of that music is in song form, most of it is not. I also have a large number of spoken-word recordings.

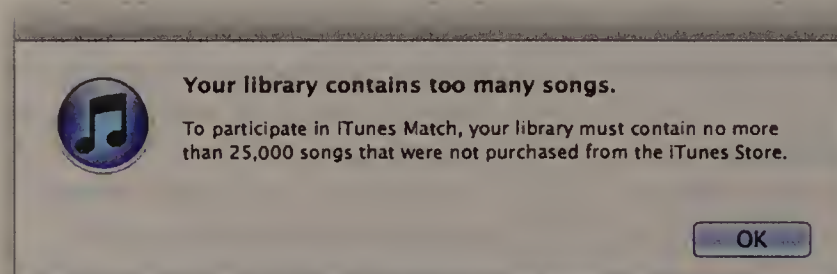
But Apple is now telling me that I have too much music—or let's say too much "audio content"—in my iTunes library to play along. It shouldn't be too hard to allow users to choose which tracks get added to their iTunes Match account. For example, a checkbox could

appear in the Info window when you select multiple tracks; users could go through their libraries, copy files they don't want to match to a playlist, select them all, and check a box.

iTunes would see that these files are flagged and ignore them. Or I'm sure there are half a dozen other ways Apple could make it work.

I am certainly in the minority, and I know that. But those customers who purchase lots of music are the people who keep the recording industry afloat. Without these musically curious people, the music available today would be much more homogenous and formulaic. Granted, this is the case for much pop music, but what keeps the music industry alive is the constantly churning underclass of musicians, songwriters, and composers of all genres who never reach the top of the charts, and who make music that most people will never encounter.

So, Apple, please don't exclude us. We do listen differently, we are curious about music, and we do use iTunes, iPods, and iPhones. We buy Mac minis to use as media servers. We stream our music to stereos using AirPort Express. We are the ones you should be welcoming to this new service, not the ones you turn away at the door.



**It's All Too Much** For people with large iTunes libraries, iTunes Match simply refuses to let you even sign up.



# REVIEWS

Home Entertainment Hardware,  
Software, and Accessories

## HARDWARE

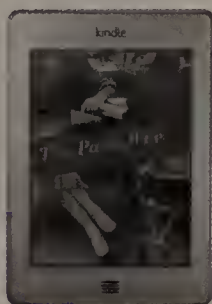
### Altec Lansing iMT630 Classic ▸



The Altec Lansing name has become synonymous with high-quality speaker docks for the iPhone and iPod, generally combining stylized, angle-heavy design with superior sound (for the price). The iMT630 Classic is no exception. It works with all iPod touch and iPhone models, along with all dock-connector iPod models released in the past few years. You can crank up the iMT630 loudly without distortion, with one exception: On bass-heavy tracks, the iMT630 suffers a bit at loud volumes because its 2-inch neodymium speakers are a bit overmatched. But if you keep the volume at a normal level, or avoid bass-laden techno tracks, the system offers impressive, rich sound.

★★★★; \$150; Altec Lansing,  
[www.alteclansing.com](http://www.alteclansing.com)

### Amazon Kindle Touch ▸

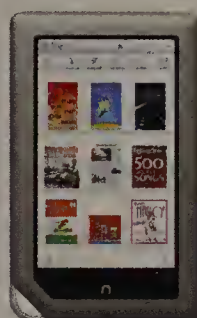


The addition of touch navigation aligns Amazon's Kindle Touch with its competition, but a few debatable interface and physical design choices dampen our enthusiasm for this e-reader. One critical problem is the Kindle Touch's lackluster in-book navigation. There's no visual slider, and you can't see where you are at a glance. Like Amazon's nontouch, base-model Kindle, the Kindle Touch is available in both advertisement-supported and ad-free versions, ranging in price from \$99 to \$189 for Wi-Fi-only and Wi-Fi + 3G models. Although the Kindle Touch is a necessary catch-up upgrade for Amazon, this model's hardware and software introduce little innovation to distinguish

the device from its competitors.

★★★★½; \$99 to \$189; Amazon,  
[www.amazon.com](http://www.amazon.com)

### Barnes & Noble Nook Tablet ▸



The Nook Tablet is Barnes & Noble's second-generation device, a follow-up to the Nook Color. In its interface and physical design, the Nook Tablet resembles the Nook Color, but it has better specs and includes some new software integrations. The additions are compelling, and the Nook Tablet continues to excel as an e-reader. However, when compared with the larger array of available tablet models, the Nook Tablet suffers from some of the same weaknesses that afflict the Kindle Fire—namely, it isn't a full-featured tablet. It lacks components like built-in Bluetooth, stereo speakers, GPS, and cameras, most of which are common elements of tablets today. However, the Nook is a great reading

device, and it offers a smattering of solid streaming media services.

★★★★; \$249; Barnes & Noble,  
[www.barnesandnoble.com](http://www.barnesandnoble.com)





### Focal XS Book Music System ▸



In recent years, dedicated computer speakers have improved to the point where the better models can produce impressive audio—for a price. That price has often been in the range of \$500 or more. It's into this market that Focal has introduced the Focal XS Book Music System, which brings high-quality sound to your desktop for \$399. To do so, Focal has had to jettison some bells and whistles found on other high-end desktop speakers, such as a remote control and USB connectivity. Yet the speakers feature crisp highs, reasonably good midrange, and fairly hefty bass—easily filling a medium-size room with sound.

★★★★; \$399; Focal-JMLab,  
[www.focal.com](http://www.focal.com)

## iPods: Current Lineup

PRODUCT	SPECS	RATING	PRICE <sup>A</sup>	DISPLAY	PERFORMANCE	FIND CODE <sup>B</sup>
<b>iPod Classic</b> 	160GB	★★★★	\$249	2.5-inch color	36 hours of music playback; 6 hours of video playback	S262
<b>iPod Touch</b> 	8GB	★★★★½	\$199	3.5-inch color (Retina)	40 hours of music playback; 7 hours of video playback	6SS3
	32GB	★★★★½	\$299	3.5-inch color (Retina)	40 hours of music playback; 7 hours of video playback	6SS4
	64GB	★★★★½	\$399	3.5-inch color (Retina)	40 hours of music playback; 7 hours of video playback	6SS5
<b>iPod Nano</b> 	8GB	★★★★	\$129	1.5-inch color	24 hours of music playback; 5 hours of video playback	6SS1
	16GB	★★★★	\$149	1.5-inch color	24 hours of music playback; 5 hours of video playback	6SS2
<b>iPod Shuffle</b> 	2GB	★★★★	\$49	none	15 hours of music playback	6SS0

<sup>A</sup> All prices are Apple's prices. In a browser's address field, typing a find code after [macworld.com/](http://macworld.com/) takes you to a product's review or overview.



# Macworld **HOT STUFF**

What We're Raving  
about This Month

## Amazon Kindle iOS App Magazine and PDF Support

Version 2.9 of Amazon's free Kindle iOS app includes some cool iPad-specific additions: Kindle for iPad now offers access to 400 magazines and newspapers. It also lets you read what it calls "print replica textbooks," which mimic the layout and formatting of the print editions while also adding features like notes, highlighting, and zoom. iPad, iPhone, and iPod touch users of the Kindle app also gain the abilities to email documents to their new Send-to-Kindle email addresses for cloud access, and to open PDFs from Mail or Safari ([www.amazon.com](http://www.amazon.com)).—**LEX FRIEDMAN**



## Workerman Machook

Are you an iMac user who's always looking for a place to store your headphones when you're not using them? Then the \$15 Machook from Workerman might be just the solution you're looking for. This hook, fashioned from Baltic birch, uses nano-suction technology, which creates a bond with smooth surfaces via microscopic craters on its adhesive strip. The Machook works with both iMacs and Apple's Thunderbolt Display. And it comes in two models: one for 24-inch iMacs, and one for 21.5- and 27-inch iMacs. The company says the Machook also fits older-model iMacs, except for a slight gap at the top corner ([workerman.storenvy.com](http://workerman.storenvy.com)).—**JONATHAN SEFF**



## Apple's Complete My Season

It's now a little less expensive to collect full seasons of TV shows from the iTunes Store, thanks to the new Complete My Season option. It works by letting users who purchased one or more episodes from an eligible TV season grab the entire season for a reduced price. It even works if you've deleted the other previously purchased episode(s) from your iTunes library ([www.itunes.com](http://www.itunes.com)).—**SERENITY CALDWELL**



## Rara

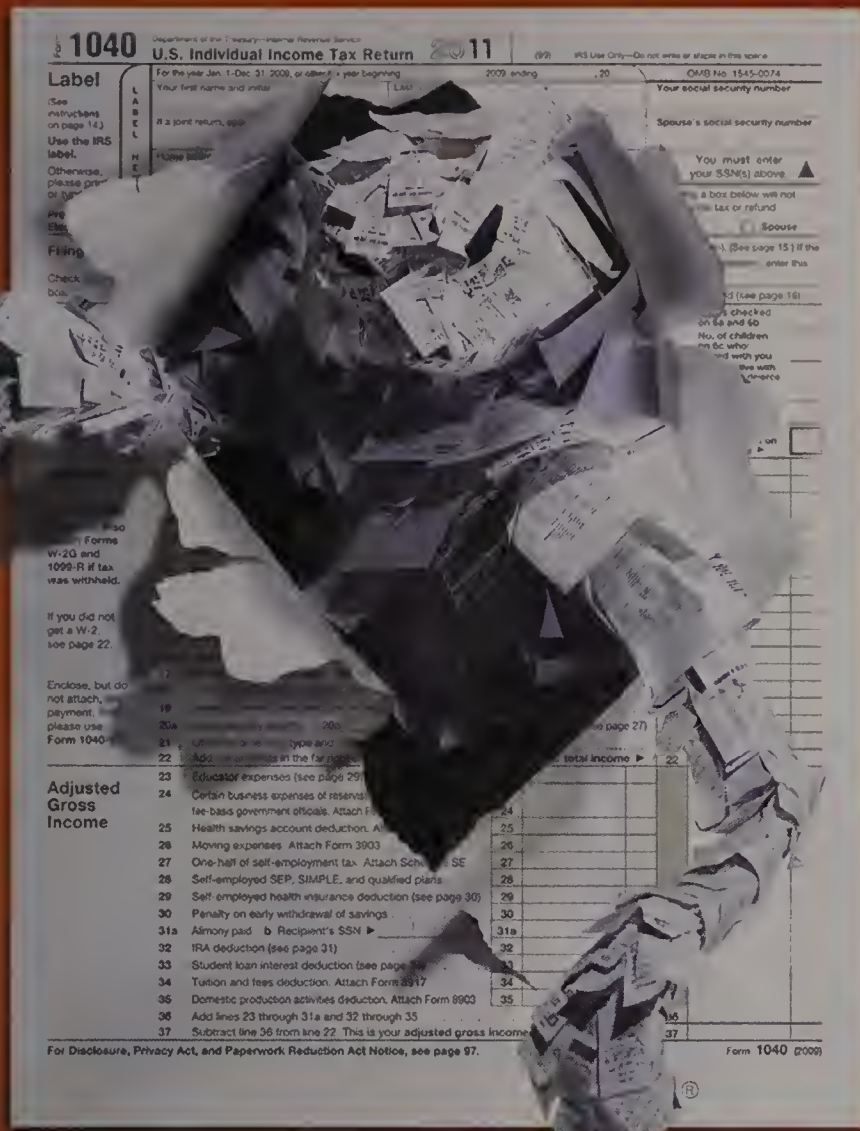
If there weren't enough online music services for you already, another competitor, Rara, has now launched in the United States. To differentiate itself from the pack, Rara hopes to attract CD-listening music fans who have yet to hop on the digital music bandwagon. To do this, Rara says it has developed an interface that doesn't require users to manage digital files through a standard Web browser. It also offers Pandora-style streaming Internet radio. Introductory pricing for the Web-only version is \$1 per month for the first three months, and \$5 a month after that ([rara.com](http://rara.com)).—**IAN PAUL**

## KLIPSCH MODE M40 NOISE CANCELING HEADPHONES

If you find yourself listening to music or watching videos on your iPod, iPhone, or iPad in loud environments—on an airplane or a crowded bus, say—then you might want to check out Klipsch's \$350 Mode M40 Noise Canceling Headphones. These full-size headphones with leather ear cups offer active noise cancellation—up to 45 hours on a single battery. (If you use them just as regular headphones, then no battery is needed.) The M40 includes a 40mm woofer, which Klipsch says provides strong bass and dynamic midrange, and a 15mm tweeter for the high end. You also get an in-line mic and a three-button remote, making the M40 ideal for users of Apple devices ([www.klipsch.com](http://www.klipsch.com)).—**JONATHAN SEFF**







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### DON McALLISTER

- ePublishing 101
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- It's All About the Numbers
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- Whole House Audio
- Location, Location, Location
- Living with the Cloud
- The Power of Speech

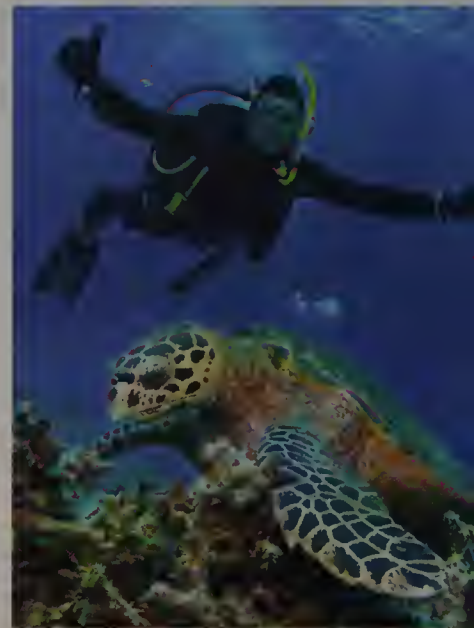
### ALLISON SHERIDAN

- Creating Spectacular Documentation
- Turbocharge your Mac Productivity
- First Look at Accessibility on the Mac and iOS
- iOS Productivity Tools
- Video Conversion Made Easy for iOS
- Introduction to Podcasting
- Photography on iOS
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## SPEAKERS

**Wally Cherwinski**  
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Your adventure begins with a short transfer to the Royal Botanic Gardens in Sydney. Here you will embark upon a specialized tour to discover all that the Gardens have to offer.

After lunch we move to the Taronga Zoo where you will be met by Zoo Keepers and some of their friendly, cute, and cuddly counterparts before beginning your extended Australian Walkabout Tour. This is an exciting journey with an experienced guide, touring the Zoo's wonderful Australian animal displays.



## Parkes Observatory

### FOUR-NIGHT PACKAGE & TWO-DAY TOUR

**November 3-7, 2012 (pre-cruise)** \$1,999 pp based on double occupancy; \$2,599 single pricing. Includes eight meals, four hotel nights, all transportation and hotel transfers, and Observatory entrance fees.

**Trip Includes:** • Four (4) nights accommodation in the outstanding 4½-star Grace Hotel • Eight (8) meals as indicated per the above itinerary: four (4) breakfasts, two (2) lunches, and two (2) dinners • All land transportation (as listed on the above itinerary) • Entrance fees to all tourist sites (as listed on the above itinerary) • All transport is by 5-star charter coach. A commentary driver will be supplied for the travel to and from Parkes • Baggage handling, city and hotel taxes • GST (Goods and Services Tax)





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# CREATE

Using the Web for Video, Graphics, Web Publishing, and Other Creative Pursuits

## Is There Life after iWeb?

The state of Web design for the Mac

BY ADAM BERENSTAIN

Apple's lone Web design app wasn't updated in iLife '11, and the release of future iWeb versions is in doubt. But there's more to creating websites on the Mac than just one program. Whether you're looking for an easy-to-use iWeb replacement or a more sophisticated program with more powerful features, a host of applications are available for every skill level and budget. Here are some of the highlights.

### The iWeb Issue

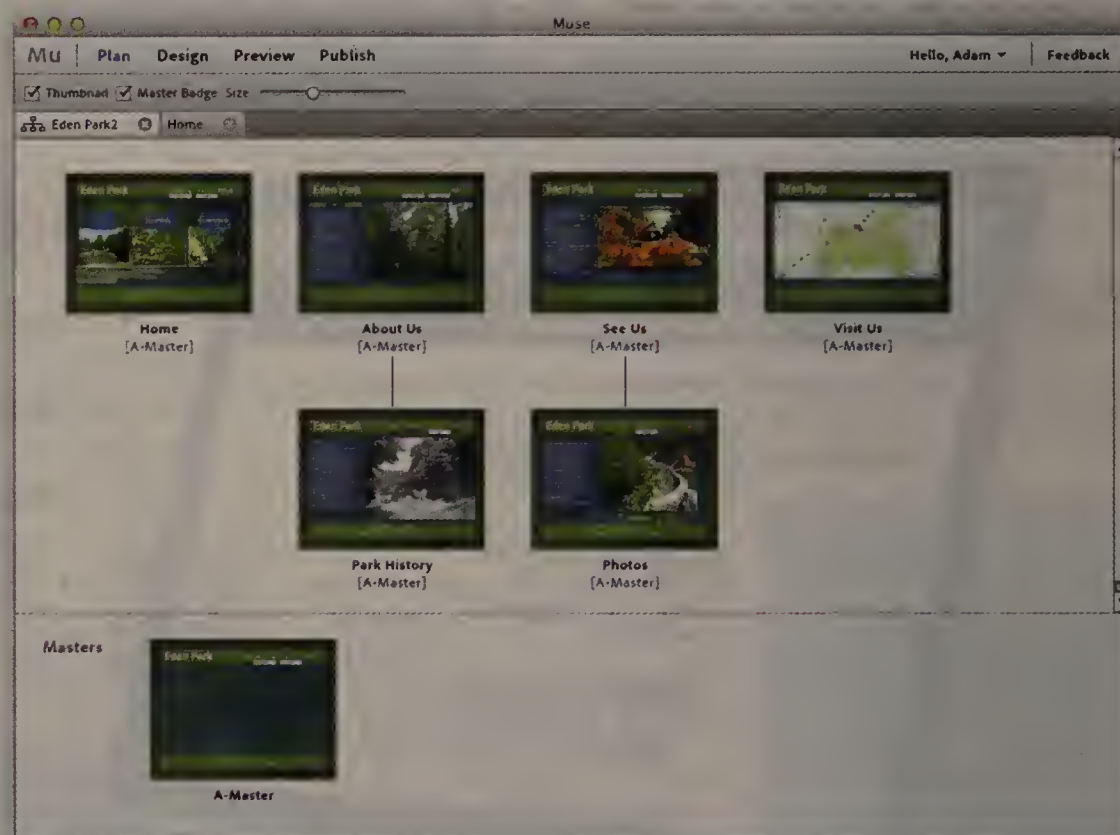
While iWeb is not available on the Mac App Store, it's unknown at this writing whether Apple plans to include it in future boxed editions of the iLife suite. Last summer, Apple updated iWeb to version 3.0.4, and that version will presumably work even after Apple ends MobileMe Web hosting on June 30, 2012. After that, many iWeb users will have to find new webhosts, but iWeb will still export to FTP and Finder folders.

However, many iWeb features, such as password protection, blog and photo comments, and blog searches, won't work without MobileMe hosting. While iCloud provides data and photo syncing, it's not a webhost.

**Whether you're looking for an easy-to-use iWeb replacement or a more sophisticated program, a host of applications are available.**

### Professional and Prosumer

If you're ready to upgrade your skills and sites, professional Web design software can help. These applications offer sophisticated WYSIWYG features or rich code-editing tools, or both, and are



**With Great Power Comes Great Simplicity** New design apps like Muse are blurring the line between desktop and Web design.

aimed at building and maintaining complex sites. Dreamweaver CS5.5 (\$399) is the choice of many Web design pros for cutting-edge sites using HTML, CSS, JavaScript, or PHP. You can build and maintain complex database-driven

libraries of HTML, JavaScript, and CSS widgets. Flux can create Ruby on Rails, Concrete5, or ePub projects, as well as WordPress themes. Softpress's Freeway Pro (\$229) is a strictly WYSIWYG design app that includes templates. But it supports advanced features like CSS layouts and text styling, and also supports PSD, TIFF, and EPS file formats.

### Template-Based Consumer Apps

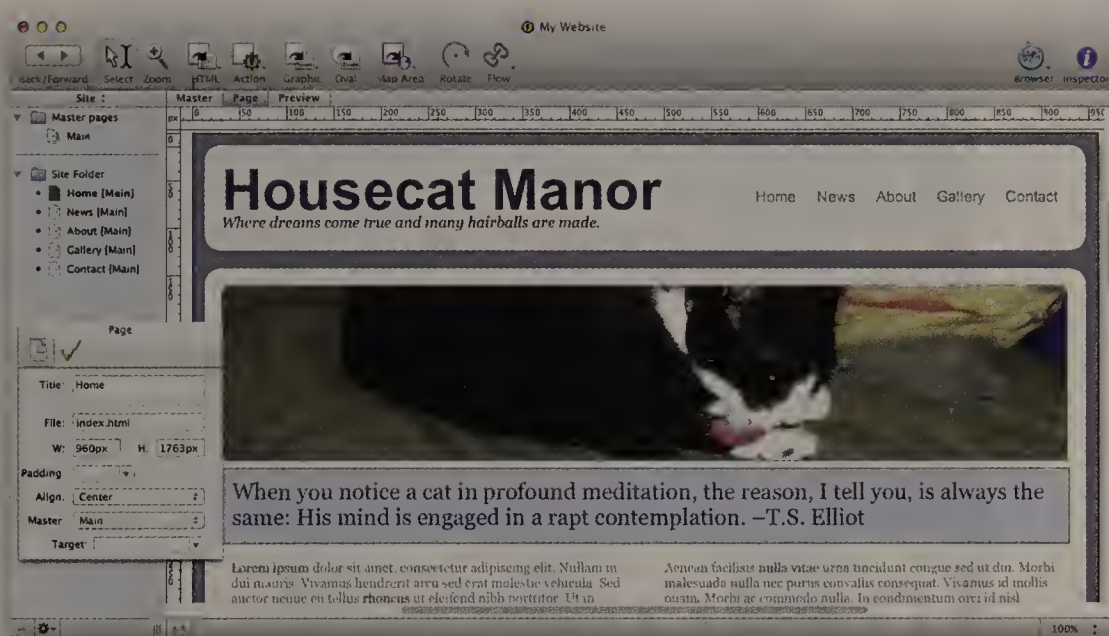
For a more iWeb-like experience that lets you build sites with customizable templates, you have several choices that offer a variety of templates, widgets, and social features. Realmac Software's RapidWeaver (\$80) offers over 40 themes and templates that you can edit



in an uncluttered interface. You can also customize sites with Flash photo slideshows, favicons, Web clip icons, meta tags, and more. Karelia Software's Sandvox (\$80) offers over 50 themes and templates and easy access to both your iLife media and your browser bookmarks. Its widget-like objects let you easily add Facebook-style buttons; your Twitter, Skype, or IM status; and other social interactivity to your site. Freeway Express (\$69) is a streamlined version of Freeway Pro with many of its sibling's powerful features. A version with more-limited features, Freeway Express AS (\$49), is available on the Mac App Store.

### Freehand Consumer Apps

If you want to create pages on a blank canvas but crave user-friendly design features, Adobe's Muse (\$180 annual or \$15 monthly subscriptions) works like a simplified mix of InDesign and Photoshop. Its widgets can add interactive navigation bars, slideshows, and other features. Tumult's Hype (\$30) lets you create HTML 5 animations, but you can also use it to build an entire site. To animate objects, you just assign states



**No iWeb, No Problem** Many consumer-oriented design apps, such as Freeway Express, offer more tools and flexibility than iWeb.

on a timeline; Hype creates the in-between frames. You can set up animations, page transitions, and JavaScript actions that are triggered as visitors mouse over content.

### Free Apps and Web Services

KompoZer, Amaya, and BlueGriffon are free cross-platform programs that let you create and upload webpages via a combination of visual and code-based tools. You

may not even need a dedicated design application, thanks to social media sites like Flickr (for photos), YouTube (for videos), and WordPress (for blogs). But you can create a great online presence with a site you've designed. No matter what the future holds for iWeb, the Mac Web design scene offers plenty of alternatives.

**Adam Berenstein**, a writer in upstate New York, is a frequent *Macworld* contributor.

## GET YOUR MOUSE EARS ON WITH WALTOGRAPH

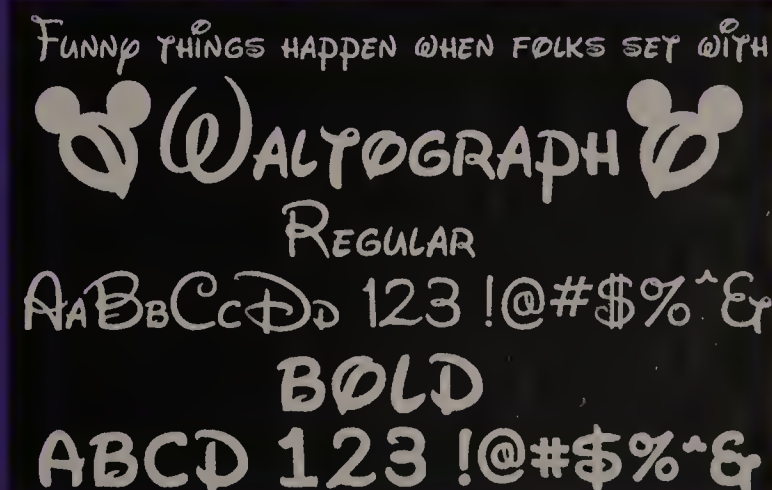
When Mickey Mouse sits down to tap out his memoirs, we bet the title page will be set in the Waltograph font (free; [macworld.com/7604](http://macworld.com/7604)), a witty font by designer Justin Callaghan.

Waltograph is a direct descendant of the inky brush style that brought the world's most famous mouse to life and signed the paychecks for generations of animators. This font grew out of Uncle Walt's signature. Disney has no official logo font, but fans have traded Walt-style lettering samples for decades.

A brush script, Waltograph has two useful weights: regular Waltograph 42 in OpenType format, and bold Waltograph UI in TrueType format. Both Waltographs contain full sets of uppercase characters, numerals, and punctuation, plus diacritics, accented characters, and international monetary symbols (a nod to Euro Disney). Throughout the design, strokes ending in tiny tendrils capture the playfulness of early brush lettering.

Callaghan's characters have character. The braces (aka curly brackets) in Waltograph 42 pay a sly homage to Minnie's hubba-hubba factor, and the dollar sign in Waltograph UI is the perfect top-hat monogram for Scrooge McDuck. If you're Unicode savvy, you'll find the mouse himself under codes 0247,

0181, and 0096. Both weights lose their thrill below 24 points, so we recommend them for display type. The Waltograph design is under a Creative Commons license that stipulates personal use only. Justin Callaghan, you deserve to wear the ears.—KATE GODFREY







# Hands-On with the DigiTech iPB-10 Guitar Effects Pedal Board

BY JAMES GALBRAITH

**D**igiTech's iPB-10 Programmable Pedalboard uses your iPad or iPad 2 as an interface to select, arrange, edit, and configure 87 guitar effects pedals, 54 amps, and 26 speaker cabinets in innumerable ways.

The iPB-10 is not a toy, and at \$500 it's not priced like one. Sturdily built, it weighs in at a hefty 11.5 pounds. Setting up the iPB-10 is easy but involves a number of steps. First, you must download the free iPB-Nexus app to your iPad from the App Store. Next, check to see if the correct docking tray for your iPad is installed.

If it's not, push in two buttons that release the protective frame, lift that frame up, and remove two easy-to-access Phillips screws. Swap in the new tray and replace the two screws. Then plug in the power supply, connect the dock connector to the iPad, close the protective frame, and power up the pedal board.

## Drag-and-Drop Board Builder

After installing and powering up the iPB-10, launch the iPB-Nexus app.

Once updated, the app shows your current setup, an amplifier, a speaker cabinet, and five effects pedals.

You can actually have up to ten effects per setup, but only five at a time are visible in performance mode. Tap and hold any of the pedals, the amp, or the speaker on the iPad's screen, and iPB-Nexus presents a large number of swappable elements. You can also adjust the volume, tone, and gain settings on the amp by touching the knobs and sliding your finger up or down. Amp choices include models from the likes of Marshall, Fender, Orange, Hiwatt, Mesa Boogie, and Matchless.

A similarly large array of speaker cabinets, simulating an assortment of popular brands, is also available.

Each of the five pedals in the window has a lettered foot switch (A through E) that lets you turn the corresponding pedal on and off. Five more numbered foot switches underneath those switches let you choose between five different setups. You can save setups

using your own custom tones, amp settings, and speaker cabinet.

## Meet Your Connections

There are also lots of ways to connect the output of the iPB-10. The back of the device holds a large number of connectors, including the 1/4-inch input you use to hook up your guitar. You can listen through headphones using the 1/8-inch connector, or use 1/4-inch cables to connect to an amp, mixer, or computer audio input device. I connected to a PreSonus Firestudio Mobile and was able to record to GarageBand and Logic Pro on my Mac. You can use the USB ports to connect to your Mac as well. I also connected the iPB-10 to a PA system and was able to record to the iPad using GarageBand for iOS.

Delays, compressors, distortion pedals, chorus, wahs—they're all here, modeled after those from brands like MXR, DOD, Boss, Ibanez, and many more. The iPB-10 has dozens and dozens of highly sought-after effects, all ready to rock.



# MacMania 15

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### DON McALLISTER

- ePublishing 101
- Reading 101
- It's All About the Numbers
- It's All About the Data
- Whole House Audio
- Location, Location, Location
- Living with the Cloud
- The Power of Speech

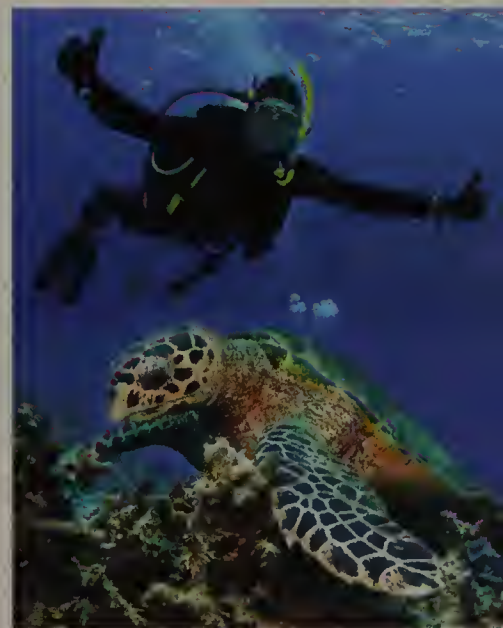
### ALLISON SHERIDAN

- Creating Spectacular Documentation
- Turbocharge your Mac Productivity
- First Look at Accessibility on the Mac and iOS
- iOS Productivity Tools
- Video Conversion Made Easy for iOS
- Introduction to Podcasting
- Photography on iOS
- Security on Mac and iOS

## SPEAKERS

**Wally Cherwinski**  
**Leo Laporte**  
**Don McAllister**

**Allison Sheridan**  
**Jason Snell**



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# Sony Alpha SLT-a35 DSLR Offers a Solid Range of Options

BY THEANO NIKITAS

## REVIEW

The 16-megapixel Sony Alpha SLT-a35 is part of Sony's second-generation SLT (single lens translucent) DSLR line. An evolutionary update to the a33, this model offers a redesigned sensor and an updated Bionz processor. Changes also include new Picture Effects scene modes and a static LCD.

This beginner-friendly, entry-level camera is relatively small and fast, and offers a good assortment of DSLR options, with manual modes for more experienced shooters looking for advanced features and newcomers who want to improve their skills.

## Basics and Extras

In addition to providing the core features of an entry-level DSLR, the Sony Alpha SLT-a35 offers options including an external microphone jack, a dynamic range optimizer, auto HDR, raw files, color-temperature controls, and noise-reduction controls. Customizable creative style presets and Sony's 2D and 3D panorama sweep modes add to the a35's beyond-the-basics extras.

Unlike those of standard DSLRs, however, the a35's camera mirror doesn't move, so it uses an electronic viewfinder (EVF) rather than an optical one. The EVF is fairly clear and bright, although fast movement can produce ghosting or smearing. The LCD is bright and clear.

There are plenty of external controls, most of them positioned for easy access, but the mode dial is at the left of the viewfinder, which takes getting used to.

## New and Notable

Although the Sony SLT-a35 is not a revolutionary update, this model offers some intriguing variations.

**Sensor** The new Exmor APS HD CMOS sensor, combined with the Bionz processor, improves low light and high

ISO performance, continuous capture speed, and video recording time.

**Battery Life** Battery life has been bumped up to 440 shots using the LCD.

**Picture Effects** Special effects such as toy camera, pop color, retro, posterization, partial color, high key, and high-contrast monochrome are easy to use and add a dose of creativity to photos.

**Tele Zoom High-Speed Shooting** In full resolution, the a35 can reach continuous burst speeds of up to 5.5 fps. The new Tele Zoom mode can capture up to 7 fps. The a35's continuous autofocus and autoexposure remain active in this high-speed mode, although it does crop images to 1.4X, resulting in 8.4-megapixel files—big enough for good-size prints.

**Other Special Features** The a35 offers Handheld Twilight and Multi-frame noise reduction modes. Both capture six images in less than a second and combine them to reduce noise and blur.

## Image Quality

Overall image quality is respectable, with accurate, natural-looking, saturated color. Exposures were mostly accurate.

The a35 showed better-than-average dynamic range, and, using the kit lens, it

also scored well in terms of sharpness and absence of distortion.

Image-noise levels didn't quite meet expectations, but they weren't bad up to about ISO 800. Somewhat aggressive noise reduction softened details, so stick with smaller prints above ISO 800 and avoid anything above ISO 1600.

You can record video in full HD 1080/60i (1920 by 1080 pixels) in AVCHD format; HD 1080/30p (1440 by 1080 pixels) in MP4 format; and standard-definition movies in 480/30p in MP4 format. Video capture is quite good for an entry-level camera, with clear footage, satisfactory exposure (in good light), and decent stereo sound.

## Macworld's Buying Advice

A full complement of features, a compact body, speedy performance, and Sony's Translucent Mirror Technology make the SLT-a35 a good option for beginners who want a highly functional, lightweight camera that offers some megazoom benefits (an EVF that's usable for video capture), with all the pluses of a DSLR.

★★★★; \$700; Sony, [www.sony.com](http://www.sony.com)





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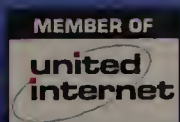
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# REVIEWS

Hardware, Software, and Accessories  
for Your Creative Endeavors



## HARDWARE

### Pentax K-5 △

The Pentax K-5 DSLR is engineered for serious enthusiast photographers who want a weatherproof camera with excellent image quality, but in a smaller package than most in its class. The K-5's solid magnesium alloy and stainless steel chassis feels good in the hands; it's easy to operate the buttons and dials; and Pentax's flagship camera captures high-quality 16.3-megapixel images, even at ISO settings up to 3200. Image quality is outstanding throughout the ISO range, with excellent detail and good dynamic range. Noise is controlled very well without sacrificing picture quality. The Pentax K-5 is a good choice for photographers who work in all types of outdoor environments and need a dependable DSLR that produces high-quality images and video.

★★★★; \$1199; Pentax, [www.pentax.com](http://www.pentax.com)



### Toshiba Camileo P100 △

For video and still shooting, the Toshiba Camileo P100 comes with exceptional optics, including autofocus and optical zoom. Other standout features include 8-megapixel JPEG still photos (16 megapixels interpolated), and strong video light for low-light shooting. Indeed, the

Camileo P100 turned in some of the best test results of any pocket camcorder we've tested. This camcorder is slightly wider and thicker than most shoot-and-share models, but still measures a very pocketable 4.4 by 2.4 by 2 inches and weighs under 6 ounces, complete with battery and SD memory card. It's the same height and width as your iPhone and almost as light. This sporty pocket camcorder has plenty going for it. But it also turned out to be a little unreliable and hard to use. If you want some of the best full-light video quality available for under \$200, along with an exceptional feature set, consider the Camileo P100—but only if you get a solid money-back guarantee so you have a chance to give it a thorough vetting.

★★★; \$180; Toshiba, [www.toshiba.com](http://www.toshiba.com)



### Wacom Inkling △

The Inkling, a surprisingly capable pressure-sensitive pen, is a terrific sketch partner and scanner replacement for first-draft doodles. Wacom's first experiment in multiform capture technology works like this: Clip or place the Inkling's small receiver on the top, bottom, or side of your paper page and switch it on. Then draw, doodle, and sketch with the included pen. The receiver records all your pen strokes via line of sight to its built-in 2GB flash drive. When you finish a sketch, connect the device to your computer via USB and manipulate it using Wacom's Sketch Manager software. All those lines you drew are imported into Sketch Manager in vector format, so you can scale or clean them up in Adobe Illustrator. You can also export sketches as 600-dpi

raster files to Adobe Photoshop or Autodesk SketchBook Pro in various formats. This process works well. If the company could bring some of its design expertise over to the software interface, which at launch was not at all user-friendly, the Inkling could go from something that's a neat idea to something that's quite special.

★★★½; \$199; Wacom, [www.wacom.com](http://www.wacom.com)



## SOFTWARE

### Blow Up 3 △

Scaling images way up—or enlarging them a lot—almost always diminishes image quality. Most image editors do a good job with reduction or slight enlargement, but for huge increases in scale with maximum quality, you need dedicated software like Alien Skin Software's Blow Up, now at version 3. Blow Up does a worthy job and can be installed as a stand-alone Intel-only, 64-bit application, so you don't have to rely on host programs such as Photoshop, Lightroom, or Photoshop Elements. However, you can use its installed plug-ins as an easy bridge from those programs as well. You probably need to put your photo or graphic through a de-noise filter before bringing it into Blow Up, but if you take a little care to hand it optimal images, it will definitely give you back a blowup, not an explosion.

★★★★; \$199; Alien Skin Software, [www.alienskin.com](http://www.alienskin.com)

### QuarkXPress 9.1

The technology of e-publishing and ebook readers, and the market for their content,





is swiftly emerging. Recent reports indicate that ebooks designed for mobile devices are in high demand. If you are a publisher and want to get in on the action, QuarkX-Press 9.1 is a great option for creating content for this medium. This version of Quark's desktop publishing program offers the ability to design and create electronic books and magazines for Apple's iPad. That's in addition to the upgrade of its traditional layout and publishing tools, and its new authoring capability for the Blio reader. It's an especially compelling offering if you already own QuarkXPress and are considering an upgrade. Quark's pricing scheme is attractive, and QuarkX-Press 9.1 provides some great features.  $\frac{1}{2}$ ; \$799; Quark, [www.quark.com](http://www.quark.com)



### Snap Art 3

If you've ever had the hankering to turn a photo into a painting, you'll love Alien Skin Software's Snap Art 3. This natural-media plug-in for Adobe Photoshop, Photoshop Elements, and Photoshop Lightroom is geared toward professional photographers and graphic designers. Creating fine art from a photo has never been easier. Using a powerful set of well-organized and customizable presets, you can produce amazing art with nary a manual brushstroke; the interface is friendly, and you can get stunning results fast. If you're a photographer looking for additional creative products to sell to clients, Snap Art 3 will make a profitable addition to

## Top Products YOUR GUIDE TO THE BEST HARDWARE WE'VE TESTED



### CAMCORDERS High Definition

PRODUCT	RATING	PRICE <sup>A</sup>	TYPE	FIND CODE <sup>B</sup>
<b>HMX-H304BN</b> <a href="http://www.samsung.com">www.samsung.com</a>		\$344	Full HD	7617
<b>Vixia HF M40</b> (pictured) <a href="http://www.canon.com">www.canon.com</a>	$\frac{1}{2}$	\$344	Full HD	7477



### DIGITAL CAMERAS Point-and-Shoot

PRODUCT	RATING	PRICE <sup>A</sup>	TYPE	FIND CODE <sup>B</sup>
<b>Coolpix S9100</b> (pictured) <a href="http://www.nikon.com">www.nikon.com</a>		\$197	12-megapixel	7300
<b>PowerShot S95</b> <a href="http://www.canon.com">www.canon.com</a>		\$315	10-megapixel	6804



### DIGITAL CAMERAS SLR

PRODUCT	RATING	PRICE <sup>A</sup>	TYPE	FIND CODE <sup>B</sup>
<b>Alpha SLT-A55</b> <a href="http://www.sonymstyle.com">www.sonymstyle.com</a>	$\frac{1}{2}$	\$620	16.2-megapixel	6780
<b>D7000</b> <a href="http://www.nikon.com">www.nikon.com</a>	$\frac{1}{2}$	\$1195	18-megapixel	7618
<b>EOS Rebel T3i</b> (pictured) <a href="http://www.canon.com">www.canon.com</a>	$\frac{1}{2}$	\$580	18-megapixel	7190



### DVD BURNERS Desktop and Portable

PRODUCT	RATING	PRICE <sup>A</sup>	TYPE	FIND CODE <sup>B</sup>
<b>d2 DVD±RW w/LightScribe</b> <a href="http://www.lacie.com">www.lacie.com</a>		\$99	desktop	3900
<b>MediaStation 8X External Blu-ray Writer</b> (pictured) <a href="http://www.buffalotech.com">www.buffalotech.com</a>		\$185	Blu-ray	5344



### PRINTERS Inkjet

PRODUCT	RATING	PRICE <sup>A</sup>	TYPE	FIND CODE <sup>B</sup>
<b>Pixma iP4920</b> (pictured) <a href="http://www.canon.com">www.canon.com</a>	$\frac{1}{2}$	\$80	snapshot, photo	7478
<b>Stylus Photo R2000</b> <a href="http://www.epson.com">www.epson.com</a>	$\frac{1}{2}$	\$500	photo	7584

<sup>A</sup> All prices are the best current prices taken from a PriceGrabber survey of retailers at press time. <sup>B</sup> In a browser's address field, typing a find code after [macworld.com/](http://macworld.com/) takes you to a product's review or overview.

your studio. The new, streamlined interface and more functional masking features make the upgrade worthwhile for previous users. With unlimited time and patience, you might be able to create

similar effects using a variety of Photoshop's filters, but why bother? Using Snap Art 3 is both efficient and fun.

$\frac{1}{2}$ ; \$199; Alien Skin Software, [www.alienskin.com](http://www.alienskin.com)



# HELP DESK

Answering Your Questions and Sharing Your Tips about Getting the Most from Your Mac

## Mac OS X Hints

The insider tips you won't get from Apple

BY LEX FRIEDMAN

### Train Lion's Autocorrect

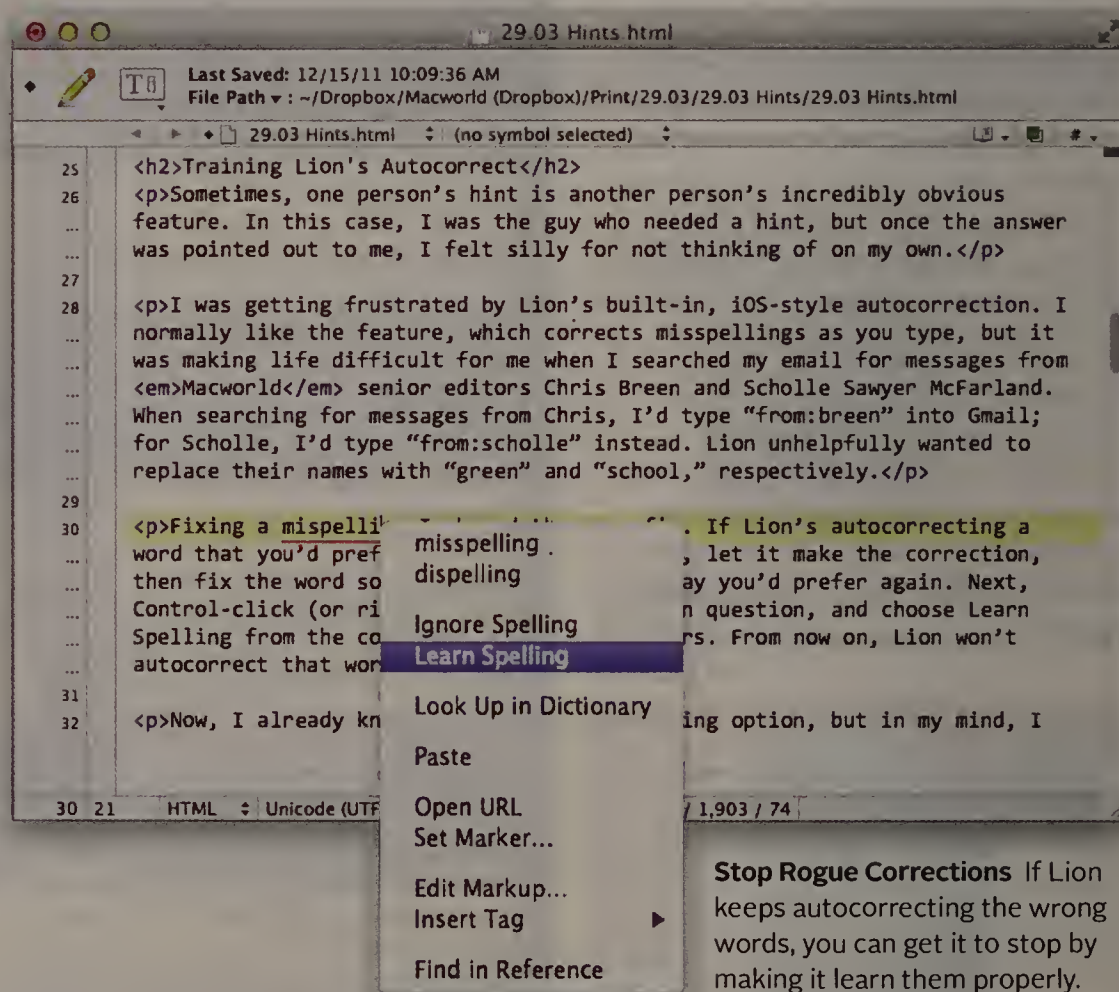
I normally like Lion's built-in iOS-style autocorrection, which corrects misspellings as you type, but it was making life difficult for me: When I searched my email for messages from *Macworld* Senior Editor Christopher Breen, I'd type **from:breen** into Gmail, but Lion would replace his name with **green**. Similarly, if I tried to search for messages from Senior Editor Scholle Sawyer McFarland, I'd type **from:scholle**, and Lion would replace her name with **school**.

Fortunately, one of my Twitter followers suggested a fix: If Lion is autocorrecting a word that you'd prefer left alone, let it make the correction, and then fix the word so it's spelled the way you want. Next, Control-click (or right-click) the word in question, and choose Learn Spelling from the contextual menu that appears. Lion won't correct that word anymore.

Now, I already knew about the Learn Spelling option—I use it to fix words that my Mac mistakenly flags as misspelled. But Learn Spelling can fix rogue autocorrections, too.

### Have a Hint to Share?

Navigate to [MacOSXHints.com](http://MacOSXHints.com) to submit it. This column was based on tips from Glenn Fleishman, Gus Mueller, Keir Thonas, and anonymous contributors. Each month, the author of our favorite reader-supplied tip is eligible to receive a *Help Desk* mug.



If you'd prefer that Lion never autocorrect the words you type, remember that you can always go to System Preferences, open the Language & Text pane, go to the Text tab, and uncheck Correct Spelling Automatically.

### Switch Spaces with Double-Tap

One of Lion's hallmark new features was its introduction of Multi-Touch gestures. By now, you may well have learned most of them. But there's one you probably don't know about because it's hidden.

If you use the four-finger swipe to move from one desktop to another, or to a full-screen app or the Dashboard, you can quickly go to the previous work-

space or app by executing a four-finger double-tap.

To enable that gesture, open Terminal (in /Applications/Utilities) and type this:  
**defaults write com.apple.dock double-tap-jump-back -bool TRUE;killall Dock**

The first part of the command enables the double-tap; the second (after the semicolon) puts it into effect. To test your new gesture, swipe to the right with four fingers to reveal the Dashboard, and then double-tap with four fingers to come right back to the desktop.

### Display iTunes Tracks in the Dock

A variety of third-party utilities can display details about a track that's



currently playing in iTunes. But a *Mac OS X Hints* reader discovered a preference setting in Lion that allows song notifications to pop up over iTunes' Dock icon. Here's how to enable them:

First quit iTunes if it's running. Then open Terminal, type in the following command, and press Return:

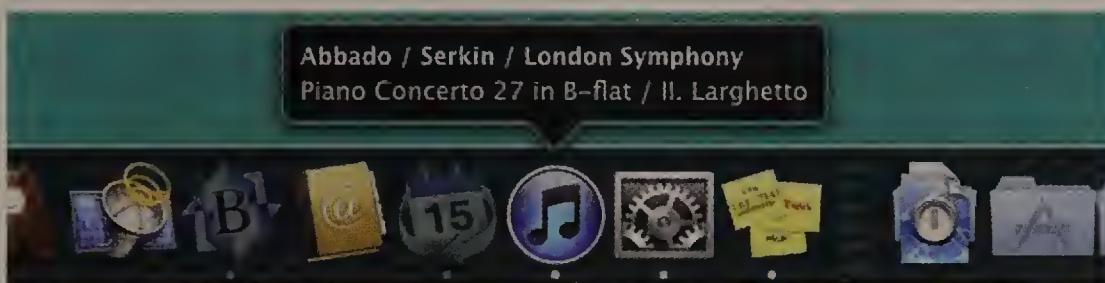
```
defaults write com.apple.dock
itunes-notifications -bool
TRUE;killall Dock
```

Now relaunch iTunes, select a track, and press play. Down in the Dock, you'll see a brief notification with the song's name and artist. The notification will appear whenever the track changes, regardless of the app you're currently using; it will then fade away on its own.

If you decide you don't like the notifications, you can get rid of them by issuing the same command, but replacing **TRUE** with **FALSE**.

## Map Wireless Coverage at Home

Many of us use a second wireless router as a bridge to expand the reach of our main Wi-Fi network. Apple makes such a setup painless; it takes just a few clicks in AirPort Utility, for example, to make an AirPort Express extend your AirPort Extreme's wireless network. When you bridge a network this way, both base stations share one network name, and your Mac (or other Wi-Fi device) automatically switches between the base stations based on signal strength. But what if you want to know which base



**Song Notifications** Enable a hidden setting to make iTunes pop up a little notification over its Dock icon whenever a new track starts.

station you're on at a given moment? Since the two base stations have the same name, you might think that it's impossible to know—but it isn't.

First, you need to determine your base stations' BSSIDs—the basic service set identification code that's unique to each base. If you're using Apple base stations, fire up AirPort Utility, and note the AirPort ID for each base station listed. (Mine were different enough that I needed only to remember the first two characters for each base station.)

Next, launch the hidden Wi-Fi Diagnostics app that's included with Lion (in the /System/Library/CoreServices folder). Choose the Monitor Performance option in the utility and click on Continue.

The graph that appears monitors your Wi-Fi signal's strength, but the chart above it lists details about the base station you're connected to—including its BSSID. You can resize the window from its bottom right corner, and you can also click and drag the resizing dot to make the chart portion of the window

larger. If you're using a laptop (or if you're feeling buff and your desktop Mac has a really long extension cord), you can then move your Mac around your home and watch the Wi-Fi Diagnostics log change as you hop between base stations.

Of course, if you find that your Mac isn't switching between base stations where you'd expect it to, it may be worth your while to relocate one or both of those routers.

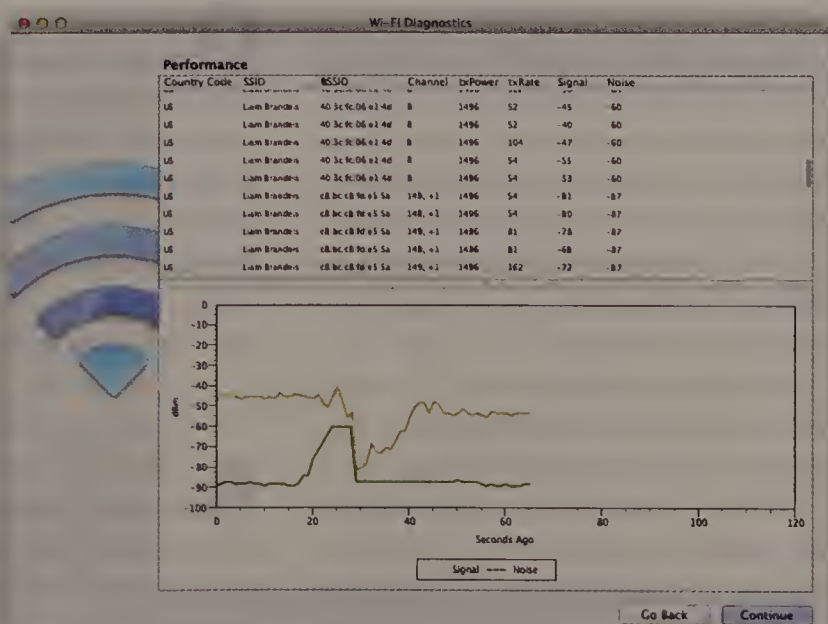
## Launch Siri by Raising Your Phone

Fresh out of the box, you can launch Siri on your iPhone 4S in one of two ways: You can press and hold the Home button, or you can simply lift your phone up to your ear, and Siri should start listening. An anonymous *Hints* reader discovered that Siri's Raise To Speak feature works for text entry, too.

Whenever your iPhone 4S displays the on-screen keyboard, there's a microphone icon at the bottom left; if you tap the icon, Siri will begin transcribing whatever you dictate. But you can save yourself a tap by lifting your iPhone to your ear when the keyboard appears on the screen. A single tone will sound (as opposed to Siri's traditional double-beep) to indicate that your 4S is listening and ready to transcribe. When you're finished dictating, simply lower the phone again.

Remember that Siri's Raise To Speak option may contribute to battery drain, because the technology works by constantly checking the phone's proximity sensor to see if an ear happens to be near. If your phone's battery life is suffering, you can disable the option in Settings ► General ► Siri—though then this hint won't work.

**Switch Bases** With the Wi-Fi Diagnostics utility, you can see which AirPort base station you're using as you move around the house.





# Mac 911

Solutions to your most vexing Mac problems

BY CHRISTOPHER BREEN

## Hide Purchased iOS Apps

**Q:** I've had an iPhone since the first model came out, and over time I've accumulated a lot of apps. When I look at the Purchased items on my iPhone or within the iTunes Store, I see a lot of apps that I no longer use. Is there any way to make them disappear?

**Tim Campbell**

**A:** You can't specifically make them disappear from your purchase history—they're there for good and all. However, if you have the latest version of iTunes and iOS 5, you can hide them so that your Purchased screens and windows are less cluttered.

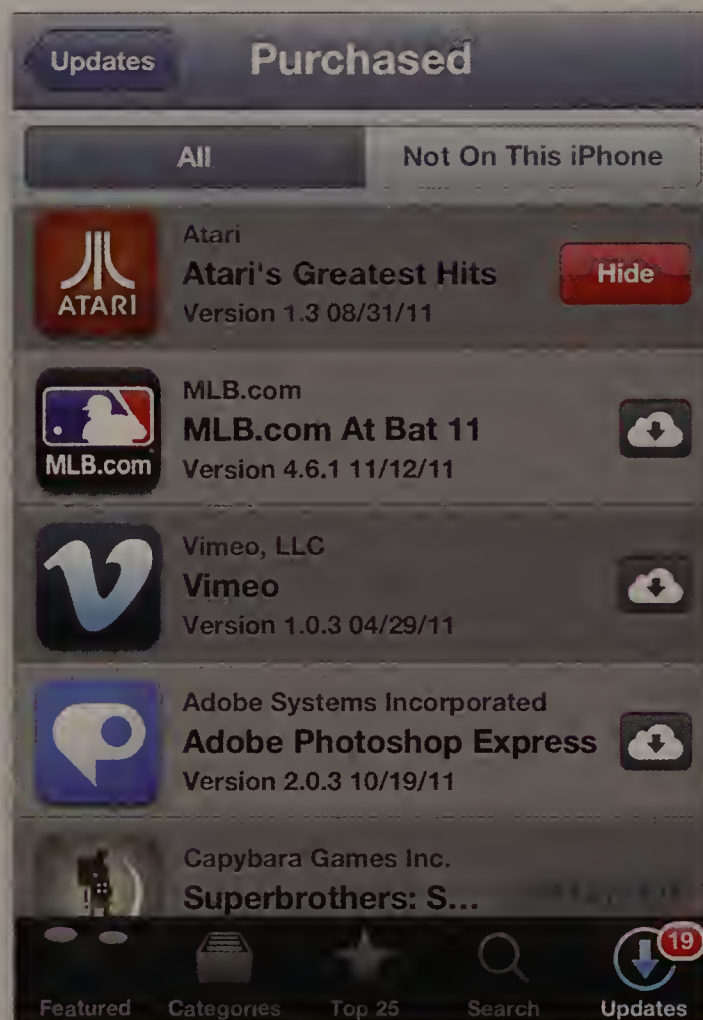
To do this in iTunes, click the iTunes Store link in iTunes' Source list, go to the home screen, and log in to your iTunes account if you're not already logged in. In the Quick Links area that appears on the right side of the window, click the Purchased link. In the resulting screen, click on Apps. Move your cursor over any apps that you want to hide and click the X that appears in the top left corner. You'll no longer see this app within the iTunes Store's Purchased screen or in the Purchased screen of an iOS device.

To unhide an app from within iTunes, log in to your account by clicking the account name in the top right of the iTunes window. In the iTunes in the Cloud area, click View Hidden Purchases. Select the Apps tab in the resulting screen and click the Unhide button next to each app you want to restore to the Purchased screen.



### Have a Problem?

Go to the Mac 911 forum ([macworld.com/2467](http://macworld.com/2467)) to ask about your misbehaving Macs and applications.



On an iPhone or iPod touch, tap App Store, and then tap the Updates button at the bottom of the screen. At the top of the Updates screen, tap Purchased. Locate an app you want to hide and slide your finger across its name (see "Slide to Hide"). A red Hide button appears. Tap the button to hide the app on all your iOS devices and in iTunes. On an iPad, tap App Store, and then tap the Purchased button at the bottom of the screen. Swipe across the app that you want to hide and tap the resulting Hide button.

To unhide an app on an iOS device, launch the App Store and tap the Featured button. Scroll down to the bottom of the resulting screen and tap the Apple ID button. In the window that appears, tap View Apple ID and enter your password. In the resulting Account

**Slide to Hide** Keep unwanted apps from appearing in your iOS device's Purchased screen.

screen, scroll down and tap Hidden Purchases. Tap the Unhide button next to those apps you want to see again.

## Manage Files on a Kindle Fire

**Q:** I know you write a column on Mac-related issues, but I have a question about Amazon's Kindle Fire (which I use with my Mac). I've been trying to download free books from Project Gutenberg to my Kindle, and even though they appear to download, I can't find them on the Fire. Is there something I can do with my Mac to make this work?

**Larry Weinstein**

**A:** Plug the Fire into your Mac using a Micro-USB cable (you must purchase one because it's not included with the Fire). Then double-click the Kindle volume that appears on



your Mac's desktop and open the Download folder—there you'll find the books you've downloaded. Move those files to the Fire's Documents folder, and then tap the Disconnect button on the Fire's screen. Tap the Docs item in the Fire's menu bar, and you'll find your books in the resulting Docs screen. Tap a book to read it.

Clumsy, I know. And it's likely intentionally so. Amazon would prefer that you obtain media from its website rather than a free resource such as Project Gutenberg. But if you thought *that* was clumsy, take a gander at how you do this on the device itself.

Tap Apps on the Fire and then tap Store. In the Search field on the resulting screen, enter **AndroXplorer**, tap Search, and download the app that appears—it's a free file manager. Return to the home screen, tap Apps, and then tap AndroXplorer. On the screen that appears, tap the Sdcard item. This presents you with a list of all the folders in the Fire's storage area. Tap the Download folder. In that screen, tap and hold on a book that you want to move. In the sheet that appears, tap Cut. Tap the left arrow at the bottom of the screen to return to the Sdcard screen. Now tap the Documents folder, tap and hold on the screen, and tap Paste.

Tap the Settings button at the top of the screen, tap More, and tap Applications. From the Filter By pop-up menu, choose All Applications. Tap on the Amazon Kindle entry and, in the screen that appears, tap Force Stop. Tap OK to confirm. Return to the home screen and tap Docs. Your book finally appears on the bookshelf, ready to read.

## Which Mac?

**Q:** I work in a graphic design studio, and we have a budget to upgrade our Macs. I have the enviable problem of deciding which of two Macs to pick—a tricked-out 27-inch iMac or an eight-core Mac Pro. Each would be packed with RAM and would have the best graphics card available. Do you have any opinions one way or the other?

**Via the Internet**

## Bugs & Fixes BY TED LANDAU



### iTunes Match Troubleshooting Tips

If you are having problems getting any songs in your music library on your Mac to upload to or download from iTunes Match, here are the three essential troubleshooting steps you need to know.

> In iTunes, select the View Options item from the View menu. From here, make sure that both the iCloud Download and iCloud Status items are selected. The major value of these columns is as a diagnostic aid. They give an indication of why a song is not available in iCloud, helping you figure out what you may be able to do to fix it.

> Select Update iTunes Match from iTunes' Store menu. This is Apple's go-to all-purpose troubleshooting fix. If anything is not working with iTunes Match, this should be the first thing you try. After I selected the Update command a few times, the Match service successfully matched my previously unmatched songs.

> Select Turn Off iTunes Match from iTunes' Store menu and then turn it on again. Doing this will not wipe out your prior matching. When you reenable iTunes Match, what may have taken hours to do when you first subscribed should now only take a minute or two to restore. I had to use this technique to fix a failure to download songs from iCloud to my Mac.



### Running on Empty

My friend complained about her Mac running slower and slower. She

was getting spinning beach balls more and more often, where previously they had never occurred. Nothing was frozen and the actions eventually completed. They just took surprisingly long. Not only that, but when she attempted to send a long email message in Mail, the message was never sent.

After spending around 20 minutes experimenting with various possibilities, I spotted the culprit—one that was staring me right in the face. It was in the status bar that appears at the bottom of Finder windows (View ► Status Bar). The bar read: "0 GB available." As in zero, zip, nada, zilch. I didn't know that was even possible.

I found about 10GB of files that could easily be deleted. That fixed everything—no more slowdowns, no more spinning beach balls, and she could now send and save long email messages. Lesson learned: While you're searching (and failing) to discover an obscure solution, the actual answer might be standing so close that you could tap it on the shoulder.

Senior Contributor **Ted Landau** is the founder of MacFixIt ([www.macfixit.com](http://www.macfixit.com)). Share your problems at [bugs@macworld.com](mailto:bugs@macworld.com) or on Macworld.com's Mac 911 forum.

**A:** At one time, the conventional wisdom was that you'd buy the latest tower Mac if you were a media pro or serious number cruncher, and leave the iMac for regular users who simply wanted a capable and reasonably affordable computer. Those days have mostly passed. Today's iMacs are serious hunks of hardware—they're wicked fast and have solid graphics performance. If you're concerned about storage, you can always attach an external drive or two or, in the case of a design shop like yours, move data on and off a server. The iMac also currently enjoys the advantage of

having a Thunderbolt port, which the Mac Pro still lacks.

The Mac Pro is certainly no slouch. Ideally you'd wait to see if Apple releases a new version with Thunderbolt and a faster processor, but there's no telling if and when that will happen. And, of course, if you want maximum flexibility in regard to your computer's graphics performance, the Mac Pro is the better way to go, as you can easily swap in a new graphics card. The ability to create a RAID from a collection of internal drives is another advantage. Also, if a single component on the Mac Pro breaks down,

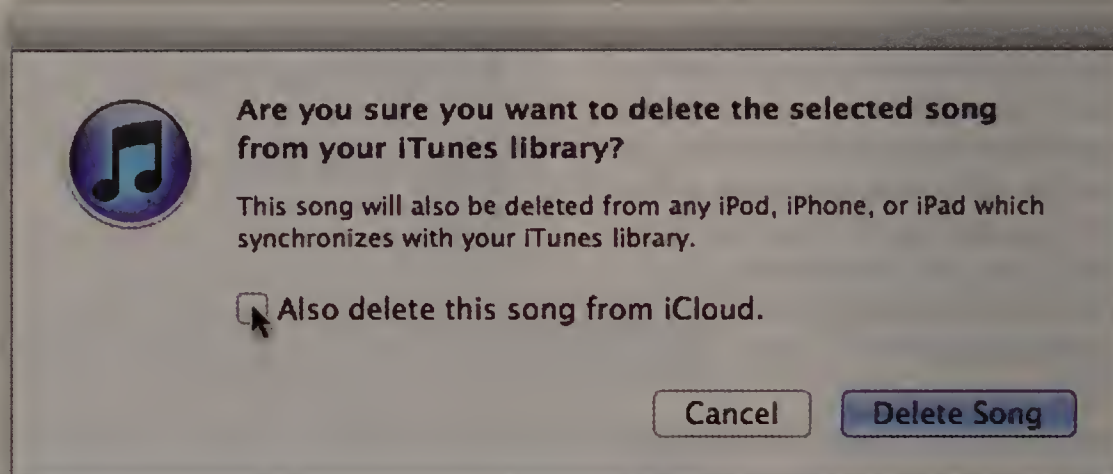


there's a better chance you can replace that component rather than having to replace the entire computer.

That said, if I were in your studio, my primary concern would be the display. You're in the image business, and if your images don't look right to you on an iMac's screen, that isn't the computer you should be using. Sure, you can attach an external monitor to your iMac and use that monitor as your primary display (leaving the iMac's display for palettes), but it seems a waste to purchase a Mac with a display you don't care for. I'd lay hands on an iMac model you're considering, calibrate it, and see how it fares. If you don't like how it looks, there's your answer.

#### Convert Protected iTunes Tracks

**Q:** I have some old tracks purchased on iTunes in my library that I'd like to update via iTunes Match so that they're no longer copy-protected. But



**Keep It in the Cloud** Remove tracks from your library (but not the cloud) to force them to download from iTunes Match.

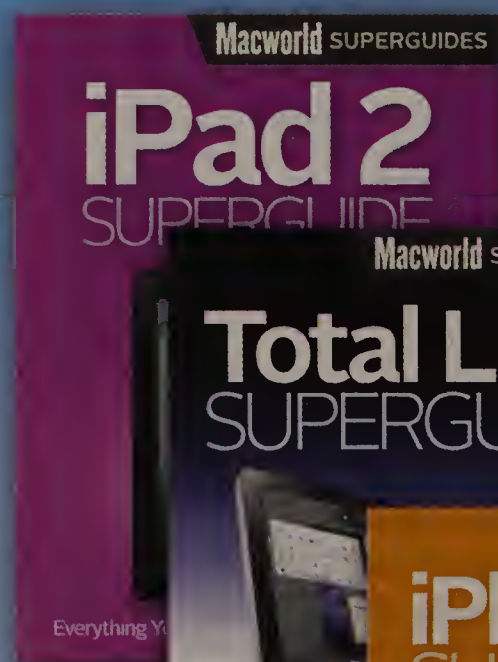
iTunes doesn't show a Download button. How can I get these tracks?

**Curt Forsyth**

**A:** iTunes Match believes that these tracks are already in your local iTunes library, which is why it's not offering them to you again—even in unprotected form. So the trick is to alter

your library in such a way that iTunes Match no longer sees these tracks.

Select the tracks you want to redownload, hold down the Option key, and press the Mac's Delete key. Confirm that you want to remove the track from your iTunes library, but *not* from iCloud (see "Keep It in the Cloud"). Do this with iTunes Match switched on. The Down-



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load icon will appear next to those tracks, which are now ready for you to grab in unprotected form (though they're still tagged with your name in the tracks' metadata). If you were to look for these tracks in the iTunes Store, you would see that you can now download them.

Another option is to create a new, empty iTunes library and then download any or all of your iTunes Match tracks to this library. To create a new library, quit iTunes, and then launch it again while holding down the Option key. A dialog box prompts you to create a library or choose an existing library. Click the Create Library button and you see an iTunes window that's devoid of tracks. Now select Store ► Turn On iTunes Match, and then click the Add This Computer button in the resulting iTunes Match pane. In a couple of minutes, your iTunes Match music collection will appear. All of the tracks in it should be available for download.

## MAC 101

### Mission Control Keyboard Shortcuts

**Q:** I see the usefulness of Mission Control, but there has to be an easier way to use it than swiping around on my MacBook's trackpad. Any hints for using it more efficiently?

**Brian Lodell**

**A:** Sure—use the keyboard. Apple has created a collection of shortcuts that allow you to keep your hands centered around the Control and arrow keys. Give these a try:

- Control-Up Arrow invokes Mission Control.
- Control-Down Arrow leaves Mission Control.
- Control-Left Arrow and Control-Right Arrow switch between desktops.
- Control-Up Arrow and then Spacebar enlarges the desktop's selected window.

If you don't care for these shortcuts, you're welcome to change all but the last one. To do that, launch System Preferences and, in the Keyboard preference pane, select the Keyboard Shortcuts tab. Choose Mission Control, and you'll see these shortcuts to the right. Double-click a shortcut to highlight it, and type in a different shortcut. Watch for a yellow warning icon, indicating that a shortcut is in use elsewhere.

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\*Current Mac OS X versions are unable to utilize more than 96GB RAM due to a operating system limitation. 128GB can be fully utilized by a 2009-2010 Mac Pro if running Bootcamp with 64-bit versions of Windows XP and later as well as with 64-bit versions of Linux.



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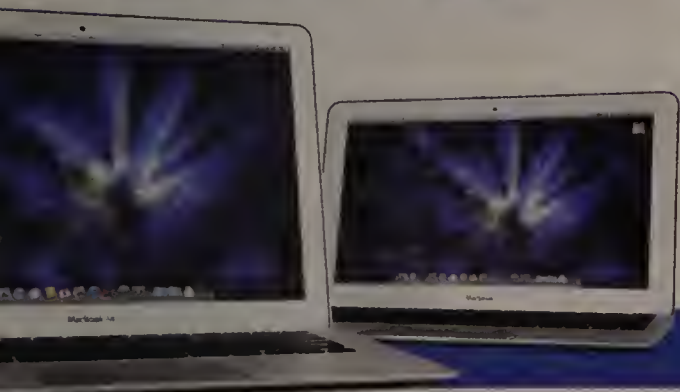
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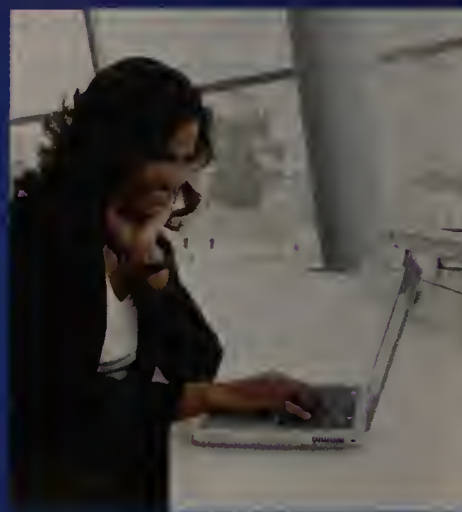
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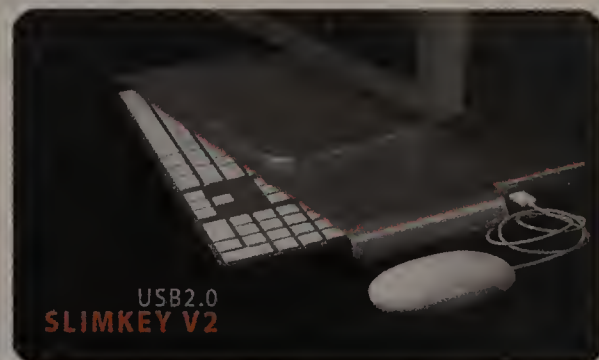


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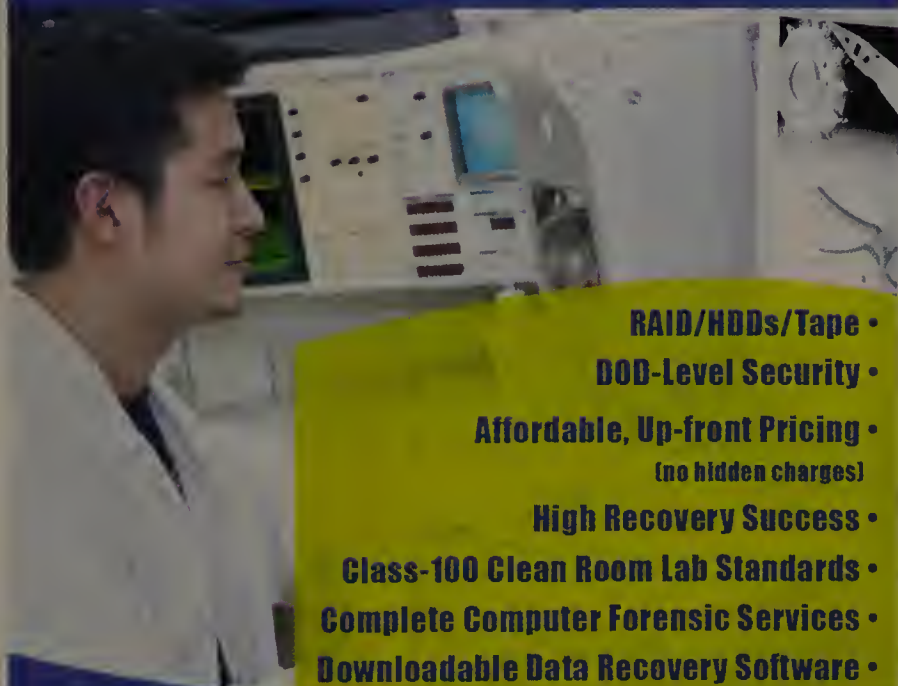
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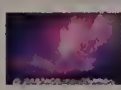
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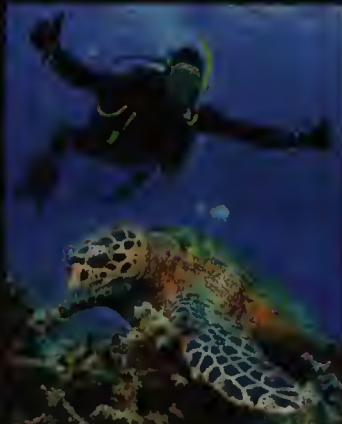
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# Our Siri Wish List

The iPhone's virtual assistant is pretty amazing. But it isn't perfect.

**W**hen you first use Siri, the iPhone 4S's virtual assistant, it is inarguably impressive. You speak, and Siri listens and obeys (if it can). But the more you use Siri, the more you notice its shortcomings. Here are a few improvements we'd like to see in Siri 2.0. Some of them might sound like science fiction. But, then, so did Siri at first.

**Changing Settings** Toggling Bluetooth on and off seems like something Siri should handle with no problem. But if you ask Siri to turn Bluetooth on or off, it simply doesn't understand. Same goes for changing Wi-Fi settings.

**Tweets** When you try to post something to Twitter via Siri, the assistant knows what you want it to do, but still declines: "I can't send tweets for you. Sorry about that."

**Notification Integration** Perhaps Siri will work with non-Apple apps someday (see "Launching Apps"). But we'd be part of the way there if Siri could read incoming notifications to you. That way, you could keep your eyes on the road and still know when it's your turn in Words With Friends.

**Email Reader** Siri can compose emails, display unread messages, and perform email searches. But ask Siri to read a message to you, and you'll be disappointed. Siri can read text messages, so why not email?

**Read It All** It'd also be great if Siri could read details from other Apple apps, such as Notes and the Calendar. Currently Siri says, "I can't read your notes to you." Can't, Siri? Or *won't*?

**Launching Apps** Right now, if you instruct Siri to **launch Photos**, it responds, "I'd like to, but I'm not allowed to." If Apple granted that permission, launching tucked-away apps would be as easy as saying **1-2-3**. (Here's hoping nobody ever uses that phrase as an app's name.)

**Easier Correction** When you dictate an email of more than a few sentences, and Siri mangles a few words, having to re-recite the entire message is tiresome. Ideally you'd be able to tell Siri what to fix: **Change elephant shoe to I'll have that, too.**

**Punctuation** When you dictate something to Siri like, **Are you sure question mark**, your voice pitch rises for the *sure* and the *question mark*. Could Apple's engineers teach Siri to translate such pitch changes into question marks, short pauses into commas, and longer ones into periods? We're not asking for the moon: Siri can still ignore semicolons; most people do, too.

**Some of these changes might sound like science fiction. But so did Siri at first.**

**Add and Edit Contacts** Ask Siri to add a contact to your address book, and it'll balk: "Sorry, I'm not allowed to create contacts." Most of the time, Siri can't edit them either. But speaking an email address would sure be easier than tapping it out.

**Safari Surfing** Siri can't yet open a specific URL (**go to [www.macworld.com](http://www.macworld.com)**) or launch URLs from saved bookmarks (**go to Macworld**). Instead, we have to tell Siri to **search for Macworld**, and then we must interact with our Web browser. That seems silly.

**Third-Party Integration** Giving third-party apps real access to Siri would be tricky. For example, you'd need a way to specify which apps would handle which requests, so that if you said, **Check me in here**, Siri would know to hand that to Foursquare and not Facebook. But it seems doable.

**More Third-Party Integration** Siri users already benefit from its integration with services like Yelp and Wolfram Alpha (even if they don't have those apps installed). Surely Apple could add more: OpenTable for making restaurant reservations, say, or a movie showtimes service ... the list goes on.

**Media Savvy** Siri is better than the earlier Voice Control for playing music; for example, you can use it to play a specific song, not just an album, artist, or playlist. But there's still room for improvement. It would be nice if, say, after it has played a track, it continued to play the rest of the album on shuffle, or created a Genius playlist based on the song. While we're at it, why doesn't Siri understand a command like **Play the latest episode of the Sesame Street podcast?** Is it making a judgment about our listening habits?

Staff Writer **Lex Friedman** and Senior Associate Editor **Dan Moren** talk to Siri as often as they speak to each other.





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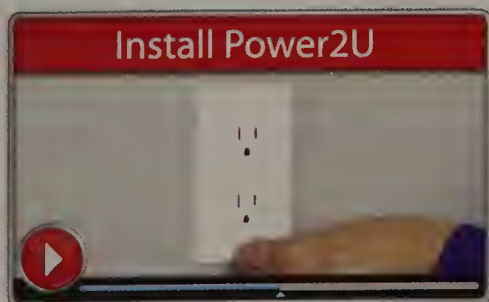
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